

**VOLUME 3**

**DRAFT  
ENVIRONMENTAL IMPACT STATEMENT**

**GREGORY CANYON LANDFILL**

**San Diego County, California**

**APPENDIX A -INTRODUCTION**

- Proposition C –Gregory Canyon Landfill and Recycling Center Initiative Ordinance
- Mitigation Monitoring and Reporting Program, adopted May 13, 2011 by the San Diego County Department of Environmental Health
- Final Public Notice for Preparation of Environmental Impact Statement, U.S. Army Corps of Engineers, May 2011



COUNTY OF SAN DIEGO  
Proposition C

(This proposition will appear on the ballot in the following form.)

**PROP C**

GREGORY CANYON LANDFILL AND RECYCLING  
COLLECTION CENTER ORDINANCE Shall the Gregory Canyon Landfill and Recycling Center Initiative  
Ordinance be adopted?

**NORTH COUNTY RECYCLING AND SOLID WASTE DISPOSAL INITIATIVE**

The People of San Diego County Do Hereby Ordain as Follows:

**SECTION 1. INTENT.**

It is the intent of this initiative measure:

A. To provide for the siting of a new recycling collection center and class III solid waste landfill to allow the residents and businesses in northern San Diego County to dispose of their solid waste in an environmentally sound and economically competitive manner.

B. To ensure that the recycling collection center and landfill are designed, constructed, and operated in a safe and efficient manner by requiring that they fully comply with all environmental laws and regulations. The Project will be monitored during its life on a regular basis by regulatory agencies including, but not limited to, the Integrated Waste Management Board, the San Diego County Air Pollution Control District and the Regional Water Quality Control Board.

C. To amend the General Plan, Zoning Ordinance and other ordinances and policies of the County of San Diego to allow the construction and operation of a recycling collection center and class III solid waste landfill on approximately 270 acres of land within the 1683 acre Gregory Canyon site located off State Route 76 approximately 3 1/2 miles east of the intersection of Interstate 15 and State Route 76 in San Diego County. The general location of the Gregory Canyon site is shown on Figure 1 attached to this measure.

D. To provide that at least 1313 acres of the Gregory Canyon site will be dedicated as permanent open space to create a substantial preservation area for sensitive habitat and species.

**SECTION 2. FINDINGS AND PURPOSE.**

A. The San Marcos landfill is the only remaining landfill serving northern San Diego County which includes the cities of Carlsbad, Encinitas, Del Mar, Solana Beach, Escondido, Oceanside, San Marcos and Vista, and the unincorporated areas of northern San Diego County including Pauma, Bonsall, Valley Center, and Fallbrook.

B. The 1986 San Diego County Regional Solid Waste Management Plan and studies performed by the County of San Diego have documented the critical need for new solid waste facilities to serve the growing north San Diego County population.

C. The County of San Diego has been unsuccessful in siting any landfills in northern San Diego County since the San Marcos landfill was approved in 1977. This has occurred as a result of local opposition and the County of San Diego not proceeding with acceptable sites which have been extensively studied.

D. The conditional use permit issued in 1992 by the City of San Marcos for expansion of the San Marcos landfill requires the County of San Diego to aggressively pursue alternative north county landfill sites, and will expire by or before the year 1999, unless the City of San Marcos agrees to extend the term of the permit.

E. Local opposition to landfill sites and disagreement between north county cities and the County of San Diego over the handling of the solid waste system has created a solid waste crisis involving disputes between the cities and the County of San Diego.

F. The Gregory Canyon site was selected as one of three preferred landfill sites by the County of San Diego based upon a 1987 study which evaluated 168 alternative sites in northern San Diego County covering a study area of 1150 square miles. Subsequently, one of these sites, Blue Canyon, was dropped by the County of San Diego and two new landfill sites have been added. The Gregory Canyon site is now one of four finalist sites.

G. In 1990 the County of San Diego prepared an environmental impact report evaluating the environmental impacts of operating a landfill at the Gregory Canyon site. This Environmental Impact Report concluded that a landfill could be operated at the Gregory Canyon site consistent with all federal and state regulations governing landfill operations.

H. All of the San Diego County landfills have been successfully operated by a private party for the County of San Diego since 1982.

I. The Gregory Canyon site is located in a sparsely populated area of San Diego County. Solid waste operations will occur on approximately 270 acres of the Gregory Canyon site. At least 1313 acres will be dedicated as permanent open space to provide an important habitat and sensitive species preserve.

J. The voters hereby find and determine that the project will be compatible with other uses in the area and the County's general plan for uses in the area upon implementation of the mitigation measures required by this measure.

K. The voters hereby reaffirm the policy of the County of San Diego that each sub-region of the County shall be responsible for providing sufficient solid waste facilities to handle the solid waste generated in each sub-region and solid waste shall not be shipped from one sub-region to any other sub-region except where an emergency exists.

### SECTION 3. DESCRIPTION OF THE PROJECT.

The Project will include the following components:

#### A. General Description of the Project.

The recycling collection center and landfill will occupy approximately 270 acres of the Gregory Canyon site. The landfill footprint containing refuse will cover approximately 150 acres of the site. The main features of the Project include a lined landfill, construction of a new access road and bridge providing access to the site from Highway 76, a scale area, a recycling collection center, a facilities and operation area, a borrow and stockpile area, a leachate collection system, and storm-water retention facilities. The facilities and operation area will include a visitors' center, an office building, a maintenance office, a shop and yard, a fueling station/storage area, a water tank truck wash and wash-water treatment area, a water supply well, groundwater monitoring wells, a landfill gas collection and recovery system, and a leachate collection tank. The Applicant shall be entitled to adjust the size and location of solid waste operations and to alter the proposed facilities based on a detailed site plan to be submitted to the Integrated Waste Management Board for its review and approval as part of the solid waste facilities permit.

#### B. Dedicated Open Space.

The remaining 1413 acres of Gregory Canyon site shall be dedicated as permanent open space to the County of San Diego, the Pala Band of Mission Indians, another public agency, or a Resource Conservation Group for long-term preservation of sensitive habitat and species. The actual amount of acreage dedicated may be adjusted as necessary to accommodate construction and operation of the Project. The open space area shall not be less than 1313 acres as a result of any adjustment.

#### C. Access Road.

The Project includes construction of a new access route and bridge from Highway 76 to the Gregory Canyon site.

#### D. Relocation of San Diego Gas & Electric Power Lines.

The project includes relocation of San Diego Gas & Electric transmission lines that are located within the area for the proposed landfill and recycling collection center. All such relocation will occur in accordance with plans reviewed and approved by San Diego Gas & Electric.

**E. Realignment of Highway 76.**

The Project includes the widening and realignment of State Road 76 on either side of the new access road to improve sight distance and to facilitate truck movements. The realigned segment would provide approximately 1000 feet of sight distance in both directions for traffic leaving the landfill. The Applicant shall contribute on a fair share basis to the widening of State Route 76 west of the access road to applicable state standards. The fair share shall be based upon the state standard average daily trips. This realigned portion of Highway 76 will be restriped to provide for acceleration/deceleration lanes and an over-take lane for through traffic. Detailed plans for the realignment of Highway 76 will be submitted to CalTrans for review and approval prior to commencing any realignment work.

**F. Bridge.**

The Project will include a bridge over the San Luis Rey River to provide separate roadways for access to and from the landfill, and to and from the topsoil stockpile area. This will facilitate adequate internal circulation for the landfill operations.

**G. Protection of San Diego Aqueduct.**

The Project will include work required to protect any San Diego Aqueduct pipelines to the extent and in the manner required by the San Diego County Water Authority.

A map showing the Project elements is shown on Figure 2 attached to this measure. The Applicant shall be entitled to alter or change these elements based upon a detailed site plan to be submitted to the Integrated Waste Management Board for review and approval in conjunction with the solid waste facilities permit.

**SECTION 4. PERMITS.**

To ensure that the Project is designed, constructed and operated in a safe and efficient manner, the Project shall be required to secure all of the following permits and approvals to the extent required by state or federal law:

**A. Environmental Review.**

The Project shall complete any additional environmental review required by federal or state law to secure the remaining permits and approvals.

**B. Consultation with Advisory Council on Historic Preservation.**

The Applicant shall consult with the Advisory Council on Historic Preservation in accordance with §106 of the National Historic Preservation Act.

**C. 404 Permit.**

The Applicant shall secure a permit relating to §404 of the Clean Water Act from the Department of the Army Corps of Engineers.

**D. U.S. Fish & Wildlife Service.**

The Applicant shall conduct a §7 consultation with the Department of Interior, U.S. Fish & Wildlife Service in compliance with the Endangered Species Act and shall coordinate the §404 permit with the U.S. Fish & Wildlife Service as required by federal law.

**E. California Department of Fish and Game.**

The Applicant shall secure a §1601 Streambed Alteration Agreement with the California Department of Fish & Game and any other permits required by the California Department of Fish & Game.

**F. State Water Resources Control Board.**

The Applicant shall secure a National Pollutant Discharge Elimination System Permit from the State Water Resources Control Board.

**G. Regional Water Quality Control Board.**

The Applicant shall secure a Waste Discharge Permit from the Regional Water Quality Control Board.

H. California Integrated Waste Management Board.

The Applicant shall obtain a Solid Waste Facility Permit from the California Integrated Waste Management Board and from the local enforcement agency for the California Integrated Waste Management Board.

I. California Department of Transportation.

The Applicant shall secure an encroachment permit from the California Department of Transportation as necessary for improvements to Highway 76.

J. State Office of Historic Preservation.

The Applicant shall review cultural sites within the Gregory Canyon site with the State Office of Historic Preservation for eligibility for the National Register of Historic Places.

K. County of San Diego.

The Applicant shall secure a Water Course Alteration Permit, Bridge Permit, Grading Permit and Building Permit from the County of San Diego. The County of San Diego is hereby authorized and directed to include the Project in its Integrated Waste Management Plan as required by State law and to make any findings required for issuance of any necessary permits.

L. San Diego Air Pollution Control District.

The Applicant shall secure all permits required by the San Diego Air Pollution Control District to construct and operate the solid waste facilities authorized by this measure.

M. San Diego Local Agency Formation Commission.

The Applicant shall obtain approval from the San Diego Local Agency Formation Commission for any possible annexation into local water districts as required by the rules and regulations of the San Diego Local Agency Formation Commission.

N. Utilities Services.

The Project shall comply with the requirements of local utility suppliers in securing electric, telephone, water and fire protection services. Sewer service will be provided by chemical toilets used by workers at the landfill. The Applicant will be required to provide the sewage disposal service, removing effluent once per week by pumper truck from the chemical toilets for treatment and disposal away from the site.

O. Other Permits and Approvals.

The Applicant shall secure all other permits and approvals as required by federal or state law.

## SECTION 5. MITIGATION MEASURES.

To ensure that the Project is constructed and operated in a manner which minimizes its environmental impacts, the following mitigation measures are hereby adopted as a condition of voter approval of the Project:

A. Days of Operation.

The solid waste facilities shall remain open for the receipt of refuse a minimum of eight (8) hours a day, six (6) days a week, excepting those holidays observed by county-owned landfills.

B. Hours of Operation.

Solid waste operation shall occur only between the hours of 7:00 AM and 6:00 PM, Monday through Friday, and 8:00 AM to 5:00 PM on Saturday unless different hours are established by the Integrated Waste Management Board. For the purposes of this mitigation measure "solid waste operations" shall include the receipt, handling, processing, and/or disposal of solid waste or recyclable materials; cover operations; site grading and/or excavation, including blasting and rock crushing; and heavy equipment operation. Other site activities such as the operation of gas and leachate collection and treatment systems, remedial activities required by a regulatory agency, maintenance within the maintenance yard, and activities conducted in a completely enclosed building shall not be limited to these hours of operation.

**C. Litter and Illegal Dumping.**

At least five (5) days each week, the Applicant shall inspect for, and clean up, all litter and illegal dumping which occurs on, or adjacent to, the landfill access road and that portion of Highway 76 between the intersection with Interstate 15 and the site. The clean up team shall consist of at least one truck with a minimum crew of two persons.

**D. Hazardous Waste Exclusion Program.**

The Applicant shall maintain trained, full-time personnel engaged exclusively and continuously in the inspection of incoming refuse loads for hazardous waste. These personnel shall be stationed at the working face of the landfill whenever the landfill is open to accept waste and shall inspect loads as they are tipped. Hazardous wastes encountered in this fashion shall be handled and disposed of in accordance with state regulations.

**E. Liner and Leachate Collection System.**

A liner and leachate collection system shall be installed and monitored as required by the Regional Water Quality Control Board.

**F. Landfill Gas System.**

The Project shall include a network of vertical extraction wells, lateral transmission pipes to a gas recovery facility, and perimeter gas monitoring probes. With this system, the landfill gas will be extracted from the landfill and combusted in an enclosed flare.

**G. Water Quality.**

The Project shall comply with all requirements of the Regional Water Quality Control Board to ensure protection of surface and underground water quality.

**H. Earthquakes.**

All structures located at the Gregory Canyon site shall be designed by a qualified engineer to withstand the maximum probable earthquake to avoid potential impacts associated with earthquakes and ground shaking.

**I. Traffic Impacts.**

In order to mitigate traffic impacts, the Applicant shall widen and realign State Route 76 on either side of the access road to improve sight distance and to facilitate truck movements. The realigned segment will provide approximately 1000 feet of sight distance in both directions for traffic leaving the landfill. The Applicant shall contribute on a fair share basis to the widening of State Route 76 west of the access road to applicable state standards. The fair share shall be based upon the state standard average daily trips. Striping will be provided for acceleration/deceleration lanes and an over-take lane for through traffic. These realignment plans may be modified as necessary to meet CalTrans requirements.

**J. Air Quality.**

Air quality impacts associated with the Project shall be mitigated by meeting all requirements imposed by the San Diego County Air Pollution Control District for the Authority to Construct and Authority to Operate permits.

**K. Noise Abatement.**

The Applicant shall prepare a Noise Abatement Plan to include:

1. Physical design provisions to ensure that ambient noise levels do not exceed 65 CNEL at the boundaries of the Gregory Canyon site;
2. Installation of landfill equipment and vehicles with noise suppressing equipment to assist in meeting the above restrictions;
3. Provisions for at least 24 hour in advance written notice of any blasting on-site to residents within a one-mile radius of the blast site.
4. Where ambient noise levels exceed 65 CNEL at the boundaries of the Gregory Canyon site, the Applicant shall retain a qualified noise expert to evaluate the problem and recommend mitigation measures. These mitigation measures shall be implemented by the Applicant.

**L. Odor Control.**

To control odors on-site, the Applicant shall submit an Odor Control Plan to the San Diego County Air Pollution Control District for review and approval.

**M. Dust Control Plan.**

To control dust from Project operations, the Applicant shall submit a Dust Control Plan to the San Diego County Air Pollution Control District for review and approval.

**N. Biological Impacts.**

All sensitive species and habitat impacted by the Project shall be mitigated in accordance with requirements imposed by the United States Fish & Wildlife Service as part of the §7 consultation.

**O. Visual Impacts.**

In order to mitigate visual impacts associated with the Project, the Applicant shall employ extensive use of landscaping emphasizing native vegetation, and rounding/undulation of slopes on the refuse column and changes in slope angles. All landscaping shall be performed by a licensed landscape architect in the State of California. This licensed architect shall prepare a detailed landscape plan designed to minimize visual impact associated with the Project to the maximum feasible extent. The plan prepared by the licensed architect shall be implemented by the Applicant upon completion.

**P. Cultural Impacts.**

Impacts to Native American resources impacted by the Project shall be mitigated through the development of a Memorandum of Agreement between the Applicant and the appropriate regulatory agencies in accordance with §106 of the National Historic Preservation Act. To mitigate archaeological impacts caused by the Project, the Applicant shall retain a qualified archaeologist to investigate and recommend appropriate mitigation measures. These mitigation measures shall be implemented by the Applicant.

**Q. Citizen Environmental Review Board.**

A Citizen Environmental Review Board (the "Board") shall be established by agreement between the Applicant and the cities or other governmental entities agreeing to supply waste to the Project. The members of such Board shall be appointed by each such city or entity and shall be individual citizens who are not employees or officials of such city or entity. The Board shall have the authority to inspect and review all reports submitted by the Project to any other regulatory agency and to make recommendations to any such regulatory agency with respect to the operation of the Project, including any enforcement actions the Board may deem appropriate. The Board shall establish an environmental review team consisting of qualified personnel to monitor the operations of the landfill which team shall have reasonable access to the landfill during all hours of operation of the landfill.

**R. Additional Mitigation Measures.**

Mitigation measures included as part of any subsequent environmental review of the Project shall be included as additional mitigation measures for the Project. The Applicant shall submit a mitigation and monitoring program meeting state and federal law to the Integrated Waste Management Board for review and approval as part of the solid waste facilities permit.

**SECTION 6. TIPPING FEE AND FINANCIAL GUARANTEES.**

**A. Tipping Fee.**

It is the intention of the voters to ensure that the tipping fee charged by the Project to any public agency supplying waste to the project does not exceed the tipping fee currently charged at county-owned landfills as adjusted for inflation. This fee is currently \$43 per ton. For calendar year 1994, this tipping fee shall be \$43 per ton. Commencing January 1, 1994, and continuing on January 1 of each year thereafter, this tipping fee may be increased by the percentage change in the Consumer's Price Index, All Urban Consumers for the Los Angeles - Anaheim - Riverside Area (1967 = 100) for December of the prior year to December of the year the price increase is to occur.

The tipping fee as set in this section shall be subject to changes or adjustments based upon tipping fees negotiated between the Applicant and various public agencies agreeing to provide solid waste to the Project.

**B. Financial Guarantees.**

The Applicant shall provide a closure and post-closure plan complying with federal and state law and shall provide bonds or other financial guarantees to ensure performance as required by federal and state law.

**SECTION 7. IMPLEMENTATION.**

**A. Amendments to County General Plan.**

Upon the effective date of this initiative, the land use element of the County General Plan and all sub-regional and community plans which apply to the Gregory Canyon site and any related maps shall be amended to designate the Gregory Canyon site Public/Semi-public lands with a Solid Waste Facility Designator. Notwithstanding the Public/Semi-public designation, the Gregory Canyon site shall remain private lands unless purchased or condemned by a public agency.

**B. Amendments to County Zoning Ordinance.**

Upon the effective date of this initiative, the County Zoning Ordinance shall be amended to create a new zoning classification designated Solid Waste Facility ("SWF"). This SWF zoning classification shall be applied only to the Gregory Canyon site and shall allow the Project without the need for any permits from the County of San Diego except the Water Course Alteration Permit, Bridge Permit, Grading Permit and Building Permit.

**C. Amendments to Other County Ordinances and Policies.**

All other County ordinances, rules and regulations which constitute legislative acts shall be amended as necessary to accommodate the Project as set forth in this initiative.

**D. County Cooperation.**

The County of San Diego shall cooperate with the Applicant wherever possible in issuing permits and approvals so that the Project can proceed in a timely fashion.

The County of San Diego is hereby authorized and directed to amend other elements of the General Plan, sub-regional plans, community plans, Zoning Ordinance, and other ordinances and policies affected by this initiative as soon as possible and in the manner and time required by State Law to ensure consistency between this initiative and other elements of the County's General Plan, sub-regional and community plans, Zoning Ordinance and other County ordinances and policies.

**SECTION 8. DEFINITIONS.**

For the purpose of this measure, the following words and phrases shall have the following meanings:

**A. "Applicant"** shall mean Servcon-San Marcos, Inc. or its assignee or authorized representatives.

**B. "Gregory Canyon site"** shall mean the approximately 1683 acres of land located off State Route 76 approximately 3 1/2 miles east of the intersection of Interstate 15 and State Route 76 occupying portions of Sections 4 and 5 of Township 10 South and Sections 32 and 33 of Township 9 South Range 2 West of the San Bernardino Principle Meridian.

**C. "Integrated Waste Management Board"** shall mean the State of California Integrated Waste Management Board.

**D. "Project"** shall mean the recycling collection center and landfill and associated structures and improvements as described in Section 3 of this initiative measure as subsequently modified by a detailed site plan submitted by Applicant to the Integrated Waste Management Board as part of the solid waste facilities permit.

**E. "Recycling collection center"** shall mean a facility for the buy-back of source separated materials but not the processing of mixed waste.

**SECTION 9. PURCHASE BY PUBLIC AGENCY.**

The Gregory Canyon site shall remain private land until purchased by a public agency or Joint Powers Authority for its fair market value. Nothing contained herein shall restrict the right of any public agency to exercise its eminent domain power as authorized by law to acquire the Gregory Canyon site.

**SECTION 10. AMENDMENT OR REPEAL.**

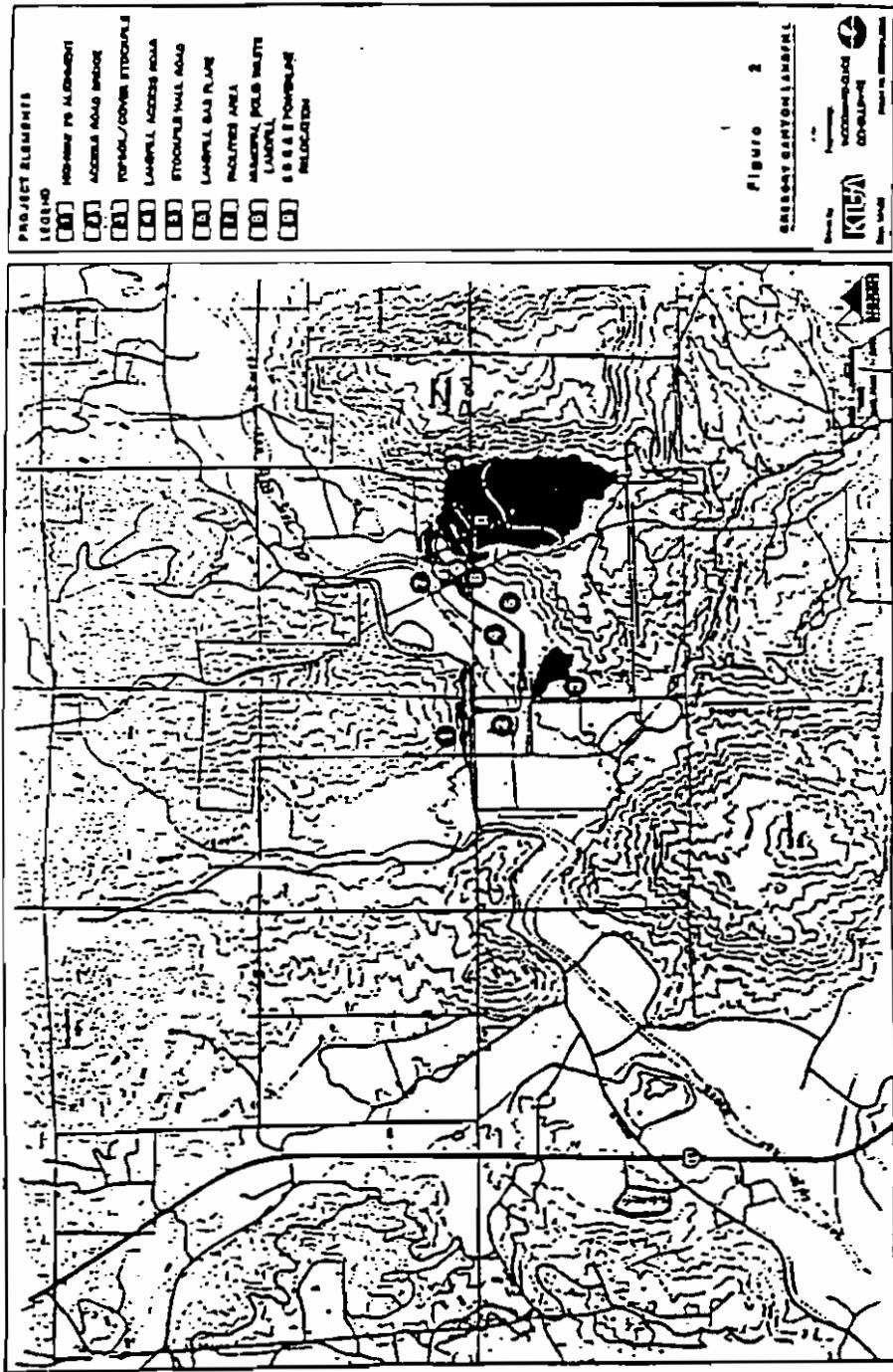
This measure may be amended or repealed only by a majority of the voters voting in an election thereon.

**SECTION 11. INTERPRETATION AND SEVERABILITY.**

This measure shall be interpreted so as to be consistent with all federal and state laws, rules and regulations. If any section, sub-section, sentence, clause, phrase, part or portion of this measure is held to be invalid or unconstitutional by a final judgment of court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this measure. The voters hereby declare that this measure, and each section, sub-section, sentence, clause, phrase, part or portion thereof would have adopted or passed irrespective of the fact that any one or more sections, sub-sections, sentences, clauses, phrases, parts or portions are declared invalid or unconstitutional.

**SECTION 12. CONSISTENCY WITH OTHER BALLOT MEASURES.**

In the event that another ballot measure is placed on the same ballot as this measure purporting to deal with the same subject matter, and if both measures should pass, the voters expressly declare their intent that both measures shall be put into effect except to the extent that specific provisions of such measures are in direct conflict. In the event of such a direct conflict, the measure which obtained more votes will control as to the conflicting provisions only. The voters expressly declare this to be their intent, notwithstanding any language to the contrary in any other ballot measure.



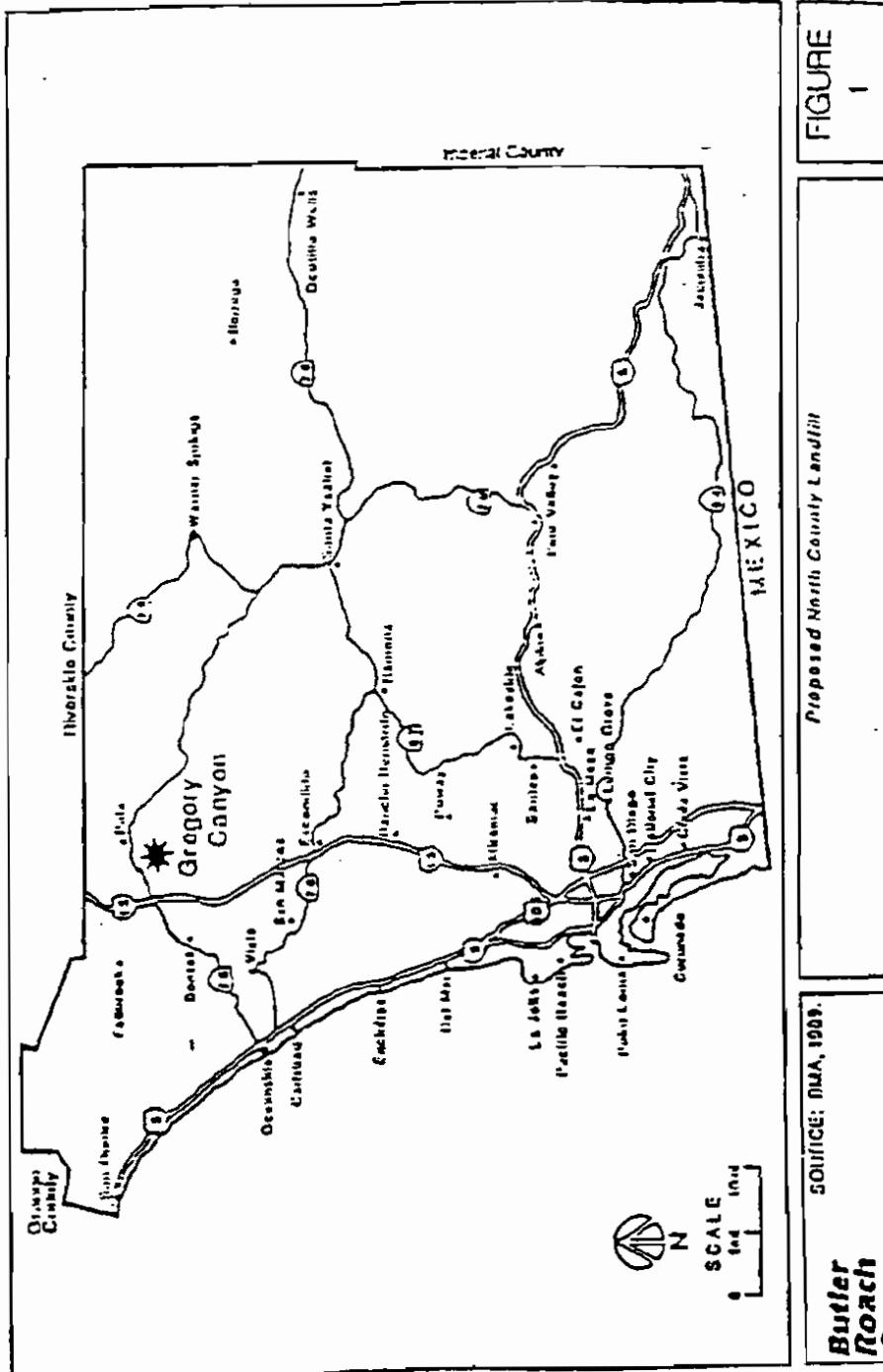


FIGURE  
1

Proposed North County Landfill

SOURCE: DMA 1998.

**Butler  
Roach  
Group**

## COUNTY COUNSEL'S IMPARTIAL ANALYSIS

You are asked to vote on the Gregory Canyon Landfill and Recycling Collection Center Initiative. The declared intent of this measure is to permit the siting of a new recycling collection center and Class III solid waste landfill at Gregory Canyon ("Project") to allow residents and businesses of northern San Diego County to dispose of their solid waste in an environmentally sound and commercially competitive manner. Gregory Canyon is located off State Route 76 approximately three and one-half miles east of the intersection of Interstate 15 and State Route 76 in northern San Diego County.

This measure would amend the San Diego County General Plan and Zoning Ordinance to permit the development of the Project on approximately 270 acres at Gregory Canyon without the need for additional permits from the County except as specified in the initiative. The Project would be subject to any applicable State or federal permits and any environmental review needed to obtain those permits. The Project would remain private land unless purchased or condemned by a public agency.

The measure would provide that, if the Project is approved, at least 1313 acres of the Gregory Canyon site must be dedicated as permanent open space to create a preservation area for sensitive habitat and species. It would provide for the establishment of a Citizen Environmental Review Board to monitor the Project, sets forth tipping fee provisions and contains certain operating rules and other provisions as a condition of voter approval intended to mitigate the environmental impacts of the Project.

The Project, as described in the measure, would require the construction of a new access route and bridge, the relocation of gas and electric powerlines, the protection of any San Diego Aqueduct pipelines and the widening and realignment of State Route 76 with the Project Applicant contributing its fair share based upon average daily trips. The Applicant is defined to mean Servcon San Marcos, Inc., its designee or authorized representatives.

The measure contains findings concerning the need for a landfill in north San Diego County and reaffirming County policy that each subregion of the County provide for its own waste disposal. The measure may be amended or repealed only by vote of the people and contains various provisions relating to implementation and interpretation.

## IMPARTIAL FISCAL IMPACT STATEMENT

The regional solid waste disposal system within San Diego County (except the City of San Diego solid waste disposal system) is administered by the County of San Diego. The governance of the assets, liabilities and obligations of the solid waste disposal system is being transferred to the Solid Waste Joint Powers Authority (Authority). This is an independent governmental agency which is composed of various cities within the region and the County of San Diego representing the unincorporated area. The system is administered like a business through a Solid Waste Enterprise fund which charges a system user fee to recover the cost of maintaining a financially solvent solid waste disposal system. These revenues (tipping fees) and expenditures (costs) are solely the responsibility of the solid waste disposal system and not the County of San Diego.

The revenues and expenses created by this initiative will be the responsibility of the Authority upon the transfer of all assets, liabilities and obligations to the Authority. Accordingly, this initiative does not have an effect on the revenues and expenditures of the County of San Diego. The effect of this initiative on the fees charged by the Authority for use of the solid waste disposal system are incalculable at this time due to the unknown variables which effect the charges such as solid waste tonnage, cost of permitting such a facility, construction cost and other systemwide costs.







**TABLE 10-1**  
**MITIGATION MONITORING AND REPORTING PROGRAM**  
**FOR PROJECT IMPACTS**

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	<b>4.1 LAND USE</b>				
MM 4.1-1	The applicant or operator of the landfill shall establish a Citizen Environmental Review Board as required in Proposition C (Section 5Q). The applicant shall provide written verification to the County Department of Environmental Health after at least five public agencies have executed waste supply agreements with the operator.	Written verification	After at least five public agencies have executed waste supply agreements with the applicant	County Department of Environmental Health	
MM 4.1-2	In compliance with Section 3B of Proposition C, prior to commencement of operation of the landfill, the applicant shall either dedicate 1,313 acres of the site as permanent open space or create a permanent open space easement consisting of not less than 1,313 acres for long-term preservation of sensitive habitat and species, including coastal sage scrub, coast live oak woodlands, and cottonwood-willow riparian forests. The applicant shall convey or dedicate this land or easement in perpetuity to the satisfaction of the County of San Diego. The applicant shall provide a copy of the recorded fee conveyance or open space easement to the County Department of Environmental Health prior to commencement of operation.	Copy of recorded fee conveyance or open space easement	Prior to commencement of operation	County Department of Environmental Health	
MM 4.1-3	Before commencing any construction work related to the landfill, the applicant shall provide the Local Enforcement Agency with a copy of the executed agreement between Gregory Canyon, Ltd. and the San Diego County Water Authority providing for relocation and protection of the San Diego Aqueduct pipelines.	Copy of executed agreement	Prior to commencement of construction	County Department of Environmental Health	
	<b>4.2 GEOLOGY AND SOILS</b>				
MM 4.2-1	Before the liner is buttressed with refuse, the geosynthetic materials (i.e., plastic geomembranes and geotextile fabrics) shall be anchored at the head of the slope, and weighted throughout their extent with 20-pound sand bags on five-foot vertical spacing. If the liner system were to be damaged before it is weighted down by refuse, the applicant shall repair, and if necessary reconstruct, the liner. Repairs to the	Field observation	Prior to placement of waste As necessary during construction and	Regional Water Quality Control Board	

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	geosynthetic materials will be completed and tested in accordance with regulations and project specifications. The RWQCB may be present to perform field observations at any time during the repair to ensure compliance.		operation		
<b>MM 4.2-2</b>	Following significant seismic events, inspection of all facilities and structures, as well as surrounding natural features, will be performed, and necessary repairs will be made. If a tear in the liner is identified, repairs to the geosynthetic materials shall be completed immediately by placing a patch over the torn sections and fusing the materials by patch-welding. The operator shall perform vacuum testing on the patch welds to ensure compliance with the standards established for the original liner construction. Patching will be performed under strict construction quality assurance protocols used during original liner construction and the RWQCB may be present to perform field observations at any time during the repair to ensure compliance with applicable regulations.	Field observation and letter from operator if additional testing required	If tear in liner is identified	Regional Water Quality Control Board	
<b>MM 4.2-3</b>	A monitoring and maintenance program that includes annual topographic surveys to measure settlement, quarterly visual inspections to identify damage to the final cover or gas systems, and repair of these systems as required shall be implemented. The frequency of monitoring may be reduced after closure of the landfill. The gas collection system shall be flexible to accommodate settlement and allow for repair. The County of San Diego Department of Environmental Health will perform inspections to ensure compliance.	Letter from operator based on field verification	Annual—topographic surveys Quarterly—visual inspections	County Department of Environmental Health	
<b>MM 4.2-4</b>	Additional inspection of the rock masses surrounding the landfill will be completed every 5 years and/or after a significant earthquake event in order to identify new areas of potential rockfall concerns. The applicant's geotechnical consultant shall submit a letter to the County of San Diego Department of Environmental Health after any such inspection summarizing findings and necessary actions.	Letter from applicant's geotechnical consultant	Every five years and/or after a significant seismic event	County Department of Environmental Health	

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	<b>4.3 HYDROGEOLOGY</b>				
<b>MM 4.3-1a</b>	For the purpose of providing additional environmental assurance to the San Luis Rey Municipal Water District, in addition to the 13 monitoring wells surrounding the landfill, the water quality monitoring shall include at a minimum monitoring of two production wells (downgradient SLRM/WD well #34 and upgradient Lucio well #2), upgradient alluvial monitoring well GMW-3, and downgradient alluvial monitoring well GLA-16 located within the project boundary).	Written report by applicant's hydrogeologist	Annually	San Luis Rey Municipal Water District	
<b>MM 4.3-1b</b>	If contamination is detected in any monitored well, the landfill operator shall be responsible for treatment and disposal of contaminated water. The landfill operator shall ensure that impacted water is treated to acceptable water quality standards, consistent with existing background water quality as provided in CCR Title 27, Section 20400 (a)(1). Adequate treatment shall be implemented to maintain background levels established by the RWQCB at the time of issuance of the waste discharge requirements.	Field inspection and monitoring by applicant's hydrogeologist	If contamination is detected	Regional Water Quality Control Board and San Luis Rey Municipal Water District	
<b>MM 4.3-1c</b>	The Applicant shall provide to the San Luis Rey Municipal Water District simultaneously with the submission to the RWQCB data collected from the groundwater monitoring program and shall provide to the District and its consultants split samples from any groundwater monitoring station upon reasonable notice given before the next regularly scheduled sampling to enable the District to verify the data collected.	Data prepared by applicant's hydrogeologist	Simultaneously with submission to Regional Water Quality Control Board	San Luis Rey Municipal Water District	
<b>MM 4.3-1d</b>	Prior to the commencement of Phase I construction project grading, the Applicant shall provide the San Luis Rey Municipal Water District and the other parties to the Mitigation agreement with an irrevocable letter of credit in accordance with Section 9 and Exhibit C of the Mitigation Agreement. The Letter of Credit shall be automatically renewed annually.	Irrevocable letter of credit	Prior to commencement of Phase 1 construction grading	San Luis Rey Municipal Water District and other parties to the agreement <sup>1</sup>	

<sup>1</sup> The Agreement is between the San Luis Rey Municipal Water District, certain surrounding landowners, and Gregory Canyon, Ltd.

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.3-1e</b>	Prior to commencement of project operation, the Applicant shall establish, maintain, and administer a trust fund or third party custodial account for the benefit of the San Luis Rey Municipal Water District and the other parties to the Mitigation Agreement in accordance with Section 9 and Exhibit C of the Mitigation Agreement.	Verification of establishment of trust fund	Prior to commencement of operation	San Luis Rey Municipal Water District and other parties to the agreement	
<b>MM 4.3-1f</b>	As a condition of any water rights appropriation permit that may be granted by the State Water Resources Control Board, the Applicant shall reduce its diversion of water if the amount of groundwater available within the San Luis Rey Municipal Water District based upon water rights as they existed on April 15, 1996 within the boundaries defined in the Mitigation Agreement, is insufficient to meet the reasonable and beneficial needs of the District or any of the landowners within the District.	Written verification of water usage	If groundwater supply is deemed to be insufficient	San Luis Rey Municipal Water District and other parties to the agreement	
<b>MM 4.3-1g</b>	The Applicant shall identify and use an alternate water supply for construction and operation of the project if the amount of groundwater available within the San Luis Rey Municipal Water District is insufficient to meet the reasonable and beneficial needs of the District or any of the landowners within the District.	Written verification of alternate supply	If groundwater supply is deemed to be insufficient	San Luis Rey Municipal Water District	
<b>MM 4.3-1h</b>	If the construction, operation, or closure of the landfill causes degradation of the Pala Basin water or quality of foreign water stored in the Pala Basin for use within the Pala Basin so that it cannot be used for domestic uses and for irrigation, the Applicant shall be liable to the San Luis Rey Municipal Water District to the extent of any degradation of the quality of Pala Basin water or the quality of foreign water stored in the Pala Basin caused by the construction, operation or closure of the landfill, including the cost of remediating the degradation of water quality attributable to the construction, operation or closure of the landfill, or if such remediation is not technologically or economically feasible, of providing an alternative water supply pending permanent remediation measures to the extent necessary to meet the reasonable needs for domestic and irrigation uses of the parties who signed the Mitigation Agreement. The applicant's liability with respect to foreign water shall be limited to remediation of a maximum of 17,694 acre-feet. Remediating the water quality of the Pala Basin or providing an	Testing as required by RWQCB after consultation with SLRMWD	Reporting as required by RWQCB or SLRMWD Agreement	Regional Water Quality Control Board; San Luis Rey Municipal Water District	

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	alternative water supply, shall be part of the closure plan and part of the cost estimate required by 14 CCR § 17782.				
<b>MM 4.3-ii</b>	The Applicant shall notify the San Luis Rey Municipal Water District and each of the parties to the Mitigation Agreement of any request to modify or to be released from the requirements of the closure plan or the post closure maintenance plan for the project.	Copy of request	At time of request	San Luis Rey Municipal Water District and other parties to SLRMWD Agreement	
<b>MM 4.3-1j</b>	The Applicant shall consult with the San Luis Rey Municipal Water District concerning the number, specifications, location, and frequency of data collection at the monitoring stations. The final decision regarding the need for and adequacy of the number, specifications, location of and frequency of data collection from the monitoring stations will be made by the RWQCB.	Discussion with SLRMWD	During discussions of monitoring with RWQCB	Regional Water Quality Control Board; San Luis Rey Municipal Water District	
	<b>4.5 TRAFFIC AND CIRCULATION</b>				
<b>MM 4.5-1</b>	The project applicant shall conduct a structural analysis of SR 76 and determine the structural requirements along SR 76 from the Rosemary Mountain Palomar Aggregates project to the proposed landfill entrance to determine whether the existing foundation can accommodate anticipated heavy truck loads. The applicant shall obtain certification from Caltrans for adequate pavement surface to be enforced by the County Department of Public Works. This analysis shall be extended west of the I-15 ramps if the Palomar Aggregate project is not implemented. Construction of the recommended pavement improvements, consistent with Caltrans requirements shall be implemented prior to operation of the landfill, if determined necessary, and fair share contribution made by the applicant.	Written report by applicant's traffic consultant	Prior to acceptance of solid waste	Caltrans and County Department of Public Works	

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE								
<b>MM 4.5-2</b>	<p>Total project traffic from all sources on any day shall not exceed 2,085 PCE trips or maximum of 675 trucks from all sources. The project shall maintain computerized daily records of total truck trips per day and total project traffic from all sources. These records shall be available for review by the Department of Environmental Health during operational hours. When the project traffic equals 2,085 PCE trips or 675 trucks in any day, the landfill shall be shut down for the balance of that day. The facility will notify the LEA prior to closure. Once 95% of the maximum daily traffic limit is reached, the landfill operator shall immediately notify commercial waste haulers to curtail waste deliveries, pursuant to the contract arrangements described in MM 4.5-3, as needed to assure compliance with the maximum daily traffic limits. Notwithstanding the above, the landfill operator may not refuse acceptance of any waste collection vehicle that was traveling on SR 76 east of I-15 at the time notice was given.</p>	Daily operational records of project traffic	As required	County Department of Environmental Health									
<b>MM 4.5-3</b>	<p>Project traffic shall be limited to the following total trips:</p> <table style="margin-left: 20px;"> <tr> <td style="text-align: left;">TIME</td> <td style="text-align: left;">TOTAL TRIPS</td> </tr> <tr> <td>2:00 P.M. – 3:00 P.M.</td> <td>215 PCE trips or 72 trucks</td> </tr> <tr> <td>3:00 P.M. – 4:00 P.M.</td> <td>111 PCE trips or 37 trucks</td> </tr> <tr> <td>4:00 P.M. – 5:00 P.M.</td> <td>111 PCE trips or 37 trucks</td> </tr> </table> <p>These hourly restrictions shall terminate when SR 76 is widened to four lanes between I-15 and the landfill access road.</p> <p>Each contract for waste delivery at the landfill shall notify the customer of the peak hour traffic restrictions, shall require that the customer cooperate in good faith in scheduling deliveries to adhere to peak hour restrictions, and shall implement a notification system whereby the customer would be directed to use alternative disposal facilities as needed to assure compliance with the peak hour traffic restrictions.</p> <p>Compliance with peak hour traffic restrictions shall be monitored on the inbound lane of the landfill access road at a location as near as feasible to SR 76. Vehicle trips will be counted manually or, if</p>	TIME	TOTAL TRIPS	2:00 P.M. – 3:00 P.M.	215 PCE trips or 72 trucks	3:00 P.M. – 4:00 P.M.	111 PCE trips or 37 trucks	4:00 P.M. – 5:00 P.M.	111 PCE trips or 37 trucks	Daily operational records of project traffic	As required	County Department of Environmental Health	
TIME	TOTAL TRIPS												
2:00 P.M. – 3:00 P.M.	215 PCE trips or 72 trucks												
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4:00 P.M. – 5:00 P.M.	111 PCE trips or 37 trucks												

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	<p>feasible, electronically, and where appropriate converted into PCCE. If traffic counts are obtained or compiled electronically, and if feasible, traffic count data shall be made available to the Department of Environmental Health at its offices on a real-time basis. The landfill operator shall report traffic count information to the Department of Environmental Health weekly in writing.</p> <p>Once 75% of the peak hourly restriction is reached, the landfill operator shall immediately notify commercial waste haulers to curtail waste deliveries, pursuant to the contract arrangements described above, as needed to assure compliance with the peak hour traffic restrictions. Notwithstanding the above, the landfill operator may not refuse acceptance of any waste collection vehicle that was traveling on SR 76 east of I-15 at the time notice was given.</p>				
<b>MM 4.5-4</b>	<p>At the commencement of operation, the project applicant shall pay the County's Transportation Impact Fee to fund its fair share of improvements to address cumulative impacts. The Regional Transportation Plan (RTP) adopted by SANDAG includes freeway build-out over the next 30 years including the necessary improvements to SR 76 and its intersections with Highway 395 and I-15. The project will receive a credit against this fee for the value of monetary and non-monetary contributions to improvements of SR 76 undertaken by the project as a project design feature or mitigation in accordance with and consistent with Proposition C and County policies and procedures.</p>	Payment of County Transportation Impact Fee	At commencement of operation	County Department of Public Works	
<b>MM 4.5-5</b>	<p>At the commencement of operation, the project applicant shall make a fair-share contribution for the addition of an eastbound left turn lane and westbound through lane on the I-15 overcrossing.</p>	Payment of fair share contribution	At commencement of operation	Caltrans and County Department of Public Works	
<b>MM 4.5-6a</b>	<p>At the commencement of operation, the project applicant shall pay the County's Transportation Impact Fee to fund its fair share of cumulative impacts to SR 76 and the intersections subject to the credits described in mitigation measure 4.5-4.</p>	Payment of County Transportation Impact Fee	At commencement of operation	County Department of Public Works	

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.5-6b</b>	The Project Applicant shall make an irrevocable offer of dedication for right-of-way to 108 feet in width within the Project boundary for the widening of SR 76 to four lanes for the County of San Diego Circulation Element, including a designated bike route.	Dedication of easement	Request by Caltrans	Caltrans and County Department of Public Works	
<b>MM 4.5-7</b>	The project shall conduct a structural integrity test on the Maranatha Drive pavement to determine ultimate load bearing of the roadway. If necessary, the project shall provide the required pavement overlay to support the heavy vehicle loads that would occur on Maranatha Drive. Any necessary repaving or construction along Maranatha Drive shall be done outside of the operation of the school (i.e., weekends or school breaks) so as to not disrupt school activities.	Written report by applicant's traffic consultant; Field inspection if improvement are necessary	Prior to trucking of recycled water from the Reservoir Site to the landfill site	County Department of Public Works	
	<b>4.6 NOISE AND VIBRATION</b>				
<b>MM 4.6-1a</b>	<p>The applicant shall monitor noise levels at the property lines adjacent to residential uses in the first year of the initial construction and whenever the construction operation changes. If noise levels exceed 62.5 dBA <math>L_{eq}</math> at the property line, the applicant shall implement some or all of the following measures to reduce the noise levels to below 62.5 dBA <math>L_{eq}</math>:</p> <ul style="list-style-type: none"> <li>• Build temporary noise barriers or berms between construction activities and residences. Such barriers or berms shall be disassembled when construction is complete. Sound barriers made of plywood would likely be sufficient, given the topography of the site and adjacent area. Other design parameters (e.g., height, length, and location) for these temporary noise barriers or berms shall be determined by a qualified noise expert.</li> <li>• Reduce the amount or size of construction equipment. For example, equipment with smaller engines could be used. This would be feasible for most types of equipment. However, the geology of the site may dictate the minimum size of certain types of rock moving or other equipment.</li> </ul> <p>If the 62.5 dBA <math>L_{eq}</math> threshold is not exceeded, no action beyond monitoring shall be necessary.</p>	Monitoring at southern property line by applicant's noise expert to determine noise levels at nearby residences	Quarterly during initial construction and within 30 days after any change in construction phases	County Department of Environmental Health	

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.6-1b</b>	All construction activities shall be limited to between the hours of 7:00 A.M. and 6:00 P.M., Monday through Friday and 8:00 A.M. to 5:00 P.M. on Saturday as required under Proposition C. Construction shall not occur on Sundays or federal holidays.	Field inspection	During construction	County Department of Environmental Health	
<b>MM 4.6-1c</b>	The applicant shall ensure that construction equipment and trucks are properly tuned and have noise muffling equipment that meets or exceeds applicable EPA standards.	Field inspection	During construction	County Department of Environmental Health	
<b>MM 4.6-2a</b>	The operator shall ensure that the tire shredding and rock crushing shall not occur at the same time.	Field inspection	During operation	County Department of Environmental Health	
<b>MM 4.6-2b</b>	Tire shredding operations shall be monitored the first time such activity is conducted on-site to ensure that noise levels do not exceed the residential and wildlife thresholds. If the noise levels exceed either threshold, the applicant shall implement noise abatement measures which may include such measures as equipment silencers, enclosures, noise baffling, and/or berms. If the thresholds are not exceeded, no additional action beyond monitoring shall be required.	Field inspection	During operation	County Department of Environmental Health	
<b>MM 4.6-3</b>	Noise verification shall be conducted specifically for the flare station prior to commencement of its operation to ensure compliance with the 62.5 dBA L <sub>eq</sub> and 60 dBA L <sub>eq</sub> at the property line and for wildlife habitat, respectively.	Noise analysis prepared by applicant's noise specialist	Prior to installation of the flare station	County Department of Environmental Health	
<b>MM 4.6-4a</b>	Unless determined infeasible by Caltrans, the project applicant shall provide a fair share contribution for the cost to install a sound wall in the right-of-way along SR 76 to reduce noise levels from cumulative traffic at the existing residences. <sup>2</sup>				

<sup>2</sup> A sound wall would also reduce the project-related increase in traffic noise levels.

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.7-1</b>	<p><b>4.7 AIR QUALITY &amp; AIR TOXIC HEALTH RISKS</b></p> <p>The construction contractor shall implement the following dust control measures:</p> <ul style="list-style-type: none"> <li>• The construction contractor shall use water trucks to keep all areas of vehicle movement sufficiently damp to prevent the raising of dust by travel in these areas.</li> <li>• All unpaved haul roads shall be watered every two hours, unless the road surface appears visibly damp.</li> <li>• The construction contractor shall wet down the site in the late morning and after work is completed for the day.</li> <li>• At least once per day, the construction contractor shall wet down non-active construction areas that have not been reseeded to minimize windblown dust.</li> <li>• As soon as feasible, the construction contractor shall re-establish groundcover on areas disturbed by construction—through seeding and watering those areas that will not be disturbed for extended periods (e.g., two months or more).</li> <li>• The construction contractor shall reduce traffic speeds on all unpaved road surfaces to no more than ten miles per hour.</li> </ul> <p>In addition, to reduce vehicle exhaust emissions:</p> <ul style="list-style-type: none"> <li>• The construction contractor shall maintain construction equipment engines by keeping them tuned in accordance with manufacturers specifications.</li> <li>• The construction contractor will only utilize California diesel fuel in heavy duty vehicles.</li> <li>• The construction contractor will only employ construction equipment that meets California Exhaust Emission Standards for Post-1996 Off-Road Compression-Ignition Engines.</li> </ul>	Field verification during construction	Field inspection during construction	San Diego Air Pollution Control District	

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.7-2</b>	<p>The landfill operator shall implement the following dust control measures:</p> <ul style="list-style-type: none"> <li>• The landfill operator shall use water trucks to keep all areas of vehicle movement sufficiently damp to prevent the raising of dust by travel in these areas.</li> <li>• The landfill operator shall wet down the site in the late morning and after work is completed for the day.</li> <li>• At least once per day, the landfill operator shall wet down non-active construction areas that have not been reseeded to minimize windblown dust.</li> <li>• The landfill operator shall reduce traffic speeds on all onsite, unpaved road surfaces to no more than ten miles per hour.</li> </ul> <p>In addition, to reduce vehicle exhaust emissions:</p> <ul style="list-style-type: none"> <li>• The landfill operator shall maintain trucks and construction equipment engines by keeping them tuned in accordance with manufacturers specifications.</li> <li>• The landfill operation shall only utilize California diesel fuel in heavy-duty vehicles.</li> <li>• The landfill operator shall only employ construction equipment that meet California Exhaust Emission Standards for Post-1996 Off-Road Compression-Ignition Engines.</li> </ul>	Field verification	Field inspection during operation	San Diego Air Pollution Control District	
<b>4.9 BIOLOGICAL RESOURCES</b>	A pre-construction meeting shall take place with a qualified biologist and construction personnel. The biologist shall explain the access restrictions on site, the importance of remaining within construction zones, the sensitivity of the habitats and species on site, and shall explain the potential consequences of violating the access restrictions and impacting biological resources outside the construction zones. Any accidental impacts to sensitive habitat that occur outside the designated impact area shall be mitigated at a 3:1 ratio. A letter from the applicant's biologist and contractor(s) verifying receipt of biological information shall be provided to the County Department of Environmental Health prior to commencement of construction.	Letter from applicant's contractor(s) verifying receipt of biological information	Prior to commencement of construction	County Department of Environmental Health	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9b</b>	In the event any final judgment is entered in San Diego Superior Court Case No. GIN038227 determining that the creation or enhancement of habitat on the landfill site within the 1313 acres of dedicated open space provided by Proposition C violates any provision of Proposition C, or cannot be relied upon as mitigation for purposes of compliance with CEQA because of Proposition C, then any of these mitigation measures permitting the creation or enhancement of habitat on-site shall be construed to mandate off-site acquisition of this habitat. Off-site acquisitions may occur either through a direct purchase or through mitigation credits from a habitat manager, mitigation bank, or environmental group. The landfill operator shall prepare and submit for approval a Habitat Resource Management Plan or equivalent with respect to off-site dedicated open space. Provided the off-site acquisition is consistent with that approved plan, the off-site acquisition may occur anywhere within the unincorporated area of San Diego County. A conservation easement shall be placed across the mitigation area to permanently protect the resources.	Review of Court order	Upon Court decision	County Department of Environmental Health	
<b>MM 4.9-1a:</b>	Impacts to 170.8 acres of coastal sage scrub, 1.7 acres of disturbed coastal sage scrub, and 51.5 acres of coastal sage scrub/chaparral shall be mitigated at a minimum ratio of 2:1 through on-site creation or enhancement of 63.6 acres of coastal sage scrub habitat or coastal sage scrub/chaparral habitat, and the off-site acquisition of 384.4 acres of coastal sage scrub or coastal sage scrub/chaparral habitat. The final amounts of mitigation of these habitats shall be a total of 448 acres with at least 345 acres of coastal sage scrub and 103 acres of either coastal sage scrub or coastal sage scrub/chaparral habitat. The on-site creation or enhancement of this resource shall be in a dedicated open space area. Off-site acquisitions may occur anywhere within the unincorporated area of San Diego County and a conservation easement shall be placed across the mitigation area to permanently protect the resource. Off-site acquisitions may occur either through a direct purchase or through mitigation credits from a habitat manager, mitigation bank, or environmental group. The landfill operator shall prepare and submit for approval a Habitat Resource Management Plan or equivalent with respect to any off-site properties for which	Verification of recordation of open space encompassing the coastal sage scrub and coastal sage scrub/chaparral or at a point in time determined appropriate through consultation with the applicable regulatory agencies	Prior to commencement of brushing or clearing of coastal sage scrub and coastal sage scrub/chaparral	U.S. Fish & Wildlife Service, California Department of Fish & Game, County Department of Environmental Health and Department of Planning and Land Use	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	management practices in accordance with County requirements have not already been established. The implementation of this mitigation shall be prior to or concurrent with the first construction that disturbs the coastal sage scrub habitat on site or as determined in consultation with the resource agencies.				
<b>MM 4.9-1b:</b>	Impacts to 22.6 acres of coast live woodland shall be mitigated at a minimum ratio of 3:1 by the on-site creation of 67.8 acres of coast live oak woodland. The on-site creation or enhancement of this resource shall be in a dedicated open space area. The implementation of this mitigation shall be prior to or concurrent with the first construction that impacts coast live oak woodland or as determined in consultation with the resource agencies.	Preparation of mitigation plan by applicant's biologist. Letter approval of plan by resource agencies or verification of off-site acquisition	Prior to commencement of clearing or grading of the coast live oak woodland or as otherwise determined in consultation with resource agencies	U.S. Fish and Wildlife Service, Army Corps of Engineers, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-1c:</b>	Impacts to 0.6 acres of native perennial grassland shall be mitigated at a minimum ratio of 3:1 through off-site acquisition of 1.8 acres of native perennial grassland. The off-site acquisition may occur anywhere within the unincorporated area of San Diego County and a conservation easement shall be placed across the mitigation area to permanently protect the resource. Off-site acquisitions may occur either through a direct purchase or through mitigation credits from a habitat manager, mitigation bank, or environmental group. The landfill operator shall prepare and submit for approval a Habitat Resource Management Plan or equivalent with respect to any off-site properties for which management practices in accordance with County requirements have not already been established. The implementation of this mitigation shall be prior to or concurrent with the first construction that disturbs the native perennial grassland on site or as determined in consultation with the appropriate agencies.	Preparation of a habitat enhancement plan	Prior to or concurrent with construction that first disturbs native perennial grassland or as determined in consultation with the appropriate agencies	County Department of Environmental Health and Department of Planning and Land Use	
<b>MM 4.9-1d:</b>	Impacts to 0.4 acres of southern willow scrub and 0.4 acres of disturbed southern willow scrub shall be mitigated at a minimum ratio of 4:1 by the on-site creation or enhancement of 3.2 acres of southern willow	Preparation of a habitat enhancement plan	Prior to commencement of clearing or	California Department of Fish and Game, County Department of	

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	scrub habitat. On-site creation or enhancement shall be in an area dedicated as open space. The implementation of this mitigation shall be prior to or concurrent with the first construction that disturbs the southern willow scrub or as determined in consultation with the resource agencies.	by the applicant's biologist or verification of off-site acquisition	grading of the southern willow scrub or as otherwise determined in consultation with the resource agencies	Environmental Health and Department of Planning and Land Use	
MM 4.9-1e	Impacts to 0.2 acre of open channel shall be mitigated through implementation of the Wetland Mitigation and Habitat Enhancement Plan described in MM 4.9-18 to restore habitat in the San Luis Rey River watershed on site.	Preparation of mitigation plan by applicant's biologist	After residences and dairy removed.	US Fish & Wildlife Service, Army Corps of Engineers, California Department of Fish and Game, County Department of Environmental Health and department of Planning and Land Use	
MM 4.9-1f:	Impacts to 0.2 acres of cottonwood willow riparian forest shall be mitigated at a minimum ratio of 4:1 by the on-site creation or enhancement of 0.8 acres of cottonwood willow riparian forest. On-site creation or enhancement shall be in an area dedicated as open space. The implementation of this mitigation shall be prior to or concurrent with the first construction that disturbs the cottonwood willow riparian forest on site or as determined in consultation with the appropriate agencies.	Preparation of mitigation plan by applicant's biologist and letter of approval of plan by resource agencies or verification of off-site acquisition	Prior to or concurrent with construction that impacts the cottonwood willow riparian forest or as determined in consultation with the County	County Department of Environmental Health and County Department of Planning and Land Use	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9-1g:</b>	Impacts to 27.4 acres of chaparral and 15.8 acres of non-native grassland shall be mitigated at a minimum ratio of 0.5:1 through off-site acquisition of 13.7 acres of chaparral and 7.9 acres of non-native grassland. Off-site acquisitions may occur anywhere within the unincorporated area of San Diego County and a conservation easement shall be placed across the mitigation area to permanently protect the resource. Off-site acquisitions may occur either through a direct purchase or through mitigation credits from a habitat manager, mitigation bank, or environmental group. The landfill operator shall prepare and submit for approval a Habitat Resource Management Plan or equivalent with respect to any off-site properties for which management practices in accordance with County requirements have not already been established. The implementation of this mitigation shall be prior to or concurrent with the first construction that disturbs the chaparral or non-native grassland habitat on site or as determined in consultation with the resource agencies.	Preparation of mitigation plan by applicant's biologist and letter approval of plan by resource agencies or verification of off-site acquisition	Prior to or concurrent with construction that impacts Chaparral and non-native grassland as determined in consultation with the County	County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-1h:</b>	Temporary construction fencing shall be erected under the supervision of a qualified biologist outside the delineated boundary of dedicated open space where it interfaces with impact areas and permanent fencing marked with signs shall be installed around the mitigation areas. Where impact areas are adjacent to coast live oak woodland, fencing shall be erected outside the canopy area at a distance of 1.5 times the canopy radius of the outer trees. This fencing shall be erected prior to commencement of brushing or grading activities. The fencing (for example, strand wire or split rail) shall restrict human and equipment access but shall allow for wildlife movement.	Letter from applicant's biologist/field verification	Prior to commencement of brush clearing or grading	County Department of Environmental Health	

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9-2:</b>	A 3:1 minimum replacement acreage (based on canopy area) of Engelmann oak trees shall be created by on-site creation or enhancement of this replacement acreage within the same area designated for creation or enhancement of coast live oak woodland, if possible. Otherwise, a separate acquisition of Engelmann oak trees at 3:1 minimum replacement acreage shall be required. Any on-site creation or enhancement shall be in an area dedicated as open space. Off-site acquisitions may occur anywhere within the unincorporated area of San Diego County and a conservation easement shall be placed across the mitigation area to permanently protect the resource. Off-site acquisitions may occur either through a direct purchase or through mitigation credits from a habitat manager, mitigation bank, or environmental group. This acreage shall then be subtracted from the coast live oak woodland mitigation requirement (MM 4.9-1b) to avoid duplicate mitigation. The landfill operator shall prepare and submit for approval a Habitat Resource Management Plan or equivalent with respect to any off-site properties for which management practices in accordance with County requirements have not already been established. The implementation of this mitigation shall be prior to or concurrent with the first construction that disturbs Engelmann oak or as determined in consultation with the resource agencies	Letter from applicant's biologist	Prior to commencement of construction in the area of Engelmann oak or at a point in time as determined appropriate through consultation with the County of San Diego	County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-3a:</b>	In addition to the riparian habitat creation or enhancement described in MM4.9-1d and f, implementation of the Wetland Mitigation and Habitat Enhancement Program described in MM4.9-18 shall be undertaken to mitigate impacts to arroyo southwestern toad riparian breeding habitat.	See MM 4.9-1b and MM 4.9-1d	See MM 4.9-1b and MM 4.9-1d	See MM 4.9-1b and MM 4.9-1d	
<b>MM 4.9-3b:</b>	The removal of toad riparian breeding habitat from riparian vegetation clearing and channel excavation for the bridge shall occur from October through December to minimize potential impacts to breeding adults (including potential sedimentation impacts to toad eggs) and dispersing juveniles.	Construction contract addressing Timing	Prior to commencement of construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9-4:</b>	Impacts to the 17.5 acres of suitable arroyo southwestern toad upland habitat on site impacted by the project shall be mitigated through on-site creation or enhancement of 88 acres of arroyo toad habitat. The on-site creation or enhancement of this resource shall be in a dedicated open space area. The implementation of the mitigation shall be prior to or concurrent with the first construction that impacts the upland arroyo toad habitat on site or as determined in consultation with the resource agencies.	Preparation of mitigation plan by applicant's biologist and letter of approval of plan by resource agencies or verification of off-site acquisition	Prior to commencement of clearing or grading that disturbs arroyo toad habitat	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-5a:</b>	The construction zone for the bridge shall be fenced with exclusion fencing to prevent toad access to the construction zone. The fencing shall be a silt-screen type barrier comprised of a minimum 24-inch high fence with the remainder (minimum 12 inches) anchored firmly against the ground. The fence may be buried if necessary to exclude toad access. The fence locations shall be identified by a qualified biologist and adjusted as necessary.	Letter from applicant's biologist based on field verification	Prior to commencement of construction of bridge	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-5b:</b>	Exclusion fencing shall be monitored daily by a qualified biologist, and maintained in its original condition by construction personnel for the entire length of the construction period.	Written report from applicant's biologist monthly	Daily monitoring	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health, County Department of Planning and Land Use	
	Pre- and post-exclusion fencing surveys within the construction zone for the bridge shall be conducted for arroyo southwestern toads by a biologist permitted by the USFWS to handle the toad. Prior to construction commencement, a minimum of three surveys shall be conducted by this biologist following installation of the fencing. Daily surveys shall be conducted each morning prior to construction activity. Any toads found shall be relocated to appropriate similar habitat outside project impact areas and in dedicated open space.	Written report from biologist permitted by U.S. Fish and Wildlife Service to handle toad	Prior to construction, minimum of 3 surveys following installation of the fencing, then daily surveys	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9-5c:</b>	<p>Exclusion fencing shall be installed along both sides of the access road for its entire length (except where sides of bridge act as barrier) as part of access road construction. The same exclusion fencing shall also wrap around the northern edge of the facilities area and continue east and south around the 1.8-acre desilatation basin. The fencing shall continue until the topography becomes too steep or rocky on the east side of the landfill footprint as determined by a qualified biologist. The fencing shall be of a corrugated metal or other similar durable material and shall be a minimum of 24 inches high.</p>	Field verification	before construction begins	County Department of Environmental Health or County Department of Planning and Land Use	
<b>MM 4.9-5d:</b>	<p>A minimum of three surveys shall be conducted by a biologist permitted by the USFWS to handle the arroyo southwestern toad following installation of the exclusion fencing along the access road and prior to access road use. Any toads found shall be relocated to appropriate similar habitat outside project impact areas and in dedicated open space.</p>	Written report from biologist permitted by U.S. Fish and Wildlife Service to handle toad	Following installation of exclusion fencing and prior to access road use	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-5e:</b>	<p>A minimum of three surveys shall be conducted by a biologist permitted by the USFWS to handle the arroyo southwestern toad following installation of exclusion fencing around the facilities area and desilatation basins as described in MM 4.9-5c. Up to three additional surveys shall be conducted if favorable temperature and moisture conditions for toad activity have not already occurred during the first three surveys. Any toads found shall be relocated to appropriate similar habitat outside project impact areas and in dedicated open space.</p>	Written report from biologist permitted by U.S. Fish and Wildlife Service to handle toad	Following installation of exclusion fencing	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9-5f:</b>	At least one road undercrossing shall be installed in the fill beneath the access road north and south of the river. The design of the undercrossings shall be approved by the USFWS.	Field verification	At the time of access road construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-5g:</b>	Exclusion fencing of the material and design described in MM 4.9-5c shall be installed on the north side of the haul road to Borrow/Stockpile Area A. The fencing shall be installed prior to initial project construction and shall be removed when initial project construction is complete, and the haul road is no longer in use. The exclusion fencing shall be re-installed prior to the use of Borrow/Stockpile Area A, which begins again in approximately year 25. The fencing shall be removed once the landfill is completely closed and the haul road is no longer in use.	Field verification	Prior to construction and during inspection by Department of Environmental Health	County Department of Environmental Health or County Department of Planning and Land Use	
<b>MM 4.9-5h:</b>	A minimum of three surveys shall be conducted by a biologist permitted by the USFWS to handle the arroyo southwestern toad following installation and re-installation of the exclusion fencing along the access road to Borrow/Stockpile Area A prior to its use. Up to three additional surveys shall be conducted during the use period if favorable temperature and moisture conditions for toad movement have not already occurred during the three original surveys. Any toads found shall be relocated to appropriate similar habitat outside project impact areas and in dedicated open space.	Written report from biologist permitted by U.S. Fish and Wildlife Service to handle toad	Following installation and re-installation of exclusion fencing along the access road to Borrow/Stockpile Area A	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9-5i:</b>	Exclusion fencing of the material and design described in MM 4.9-5c shall be installed along both sides of the low-flow crossing until the road connects with the haul road described in MM 4.9-5g. The fencing shall be installed during initial project construction and shall be removed when initial project construction is complete, and the crossing is no longer in use. A minimum of three surveys shall be conducted by a biologist permitted by the USFWS to handle the arroyo southwestern toad following installation of the fencing, and daily surveys shall be conducted each morning prior to use of the low-flow crossing. Any toads found shall be relocated to appropriate similar habitat outside project impact areas and in dedicated open space.	Field verification	During initial project construction (3 surveys following installation of fencing and daily prior to use of low-flow crossing) and after crossing is no longer in use.	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-6:</b>	The USFWS (1999c) has indicated in the Final Recovery Plan for the species that short-term negative effects to individual toads from such activities may be offset by the long-term positive effects of implementing such a habitat enhancement program. Therefore, the habitat enhancement plan described in MM 4.9-18 shall be implemented. The final plan shall include precautions where possible to avoid impacts to the arroyo southwestern toad.	Preparation and acceptance of habitat enhancement plan	Prior to construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-7:</b>	Prior to final design, the bridge abutment design specifications shall indicate that gaps in the riprap be filled with concrete.	Approval of final design plans	Final design submittal	County Department of Environmental Health, County Department of Planning and Land Use	
<b>MM 4.9-8:</b>	The northernmost tower shall be replaced during the period of July through October to avoid the golden eagle breeding season.	Construction contract addressing timing	Prior to commencement of construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9-9a:</b>	Access to the Gregory Canyon nesting site(s) shall be restricted to eagle specialists and researchers conducting monitoring.	Field verification	Prior to commencement of construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-9b:</b>	Prior to ground disturbance, a pre-construction survey for the eagle pair shall be conducted to determine if and where the eagles are nesting on site. Weekly monitoring of the eagle pair shall be conducted by an eagle specialist during the breeding season (December through May) to confirm the eagle pair is exhibiting reproductive behavior patterns, such as nest building. After one year of construction activity, if the monitoring determines that the eagles have abandoned the site, the applicant shall create a habitat acquisition fund for purchase and preservation of off-site known or potential golden eagle nesting habitat or shall purchase an equivalent amount of golden eagle nesting habitat to be included in the MSCP Preserve. The amount of funding or habitat purchase shall be negotiated with the County.	Written report by biologist, payment of fees, if applicable	Prior to construction weekly during breeding season, and one year after construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-9c:</b>	Initial landfill construction activity less than 2,000 feet from the eagle's nest shall begin as close to the end of the eagle breeding season in June to allow the eagle pair on site to become conditioned to the activity prior to the next breeding season starting in December.	Field verification	Prior to commencement of construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9-10:</b>	The southernmost tower shall be moved during the period of June through November or at any time when the nest is not active. Likewise, any raptor nest removal shall only occur when the nest is inactive. A qualified biologist shall determine whether or not a raptor nest is active.	Construction contract addressing timing and field verification	During June through November or when nest is inactive	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-11a:</b>	Removal of any riparian habitat shall only occur from October through December to avoid the breeding seasons of these bird species and to minimize potential impacts to the arroyo southwestern toad.	Preparation of mitigation plan by applicant's biologist. Letters of appropriate planning resource agencies	Prior to commencement of clearing or grading of riparian habitat	U.S. Fish and Wildlife Service, Army Corps of Engineers, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-11b:</b>	Impacts to vireo and flycatcher habitat shall be mitigated through riparian habitat creation as described under MM 4.9-1d. The Wetland Mitigation and Habitat Enhancement Plan described under MM 4.9-18 would also benefit these species.	Preparation of mitigation plan by applicant's biologist. Letters of appropriate planning resource agencies	Prior to commencement of clearing or grading of vireo and flycatcher habitat or as otherwise determined in consultation with resource agencies	U.S. Fish and Wildlife Service, Army Corps of Engineers, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.9-11c:</b>	The project applicant shall provide funding for cowbird trapping along the San Luis Rey River on the project site for a period of five years from initial landfill operation.	Written report prepared by the applicant's biologist or the land manager of the 1,313 acres of open space	Annually	California Department of Fish and Game, U.S. Fish and Wildlife Service	
<b>MM 4.9-12a:</b>	Daily noise monitoring by a qualified acoustician shall be conducted between March 15 and September 15 during initial construction to verify that noise levels are below 60 dB(A) $L_{eq}$ in vireo and flycatcher habitat. If the 60 dB(A) $L_{eq}$ is exceeded, the acoustician shall work with the construction contractor to make operational changes and/or barriers designed by the acoustician shall be installed prior to March 15 or immediately if during the breeding season, to reduce noise levels during the breeding season. Weekly noise monitoring shall occur following operational changes and/or installation of barriers to ensure their effectiveness. If ineffective, the acoustician shall work with the construction contractor to make additional operational changes or to install other barriers that would reduce noise to less than 60 dB(A) $L_{eq}$ .	Noise analysis prepared by applicant's noise specialist	Daily between March 15th and September 15th during initial construction. If noise barriers are required, weekly monitoring to ensure their effectiveness	County Department of Environmental Health	
<b>MM 4.9-12b:</b>	The low-flow crossing shall only be used between September 15 and March 15. Use of the crossing could occur outside of that time period if daily monitoring by a qualified biologist determines that vireos and flycatchers have not yet arrived on site or have migrated out of the area early, or if operational changes can be made and/or barriers designed by an acoustician can be installed prior to March 15 to reduce noise levels to less than 60 dB(A) $L_{eq}$ in the vireo and flycatcher habitat. Daily noise monitoring shall be conducted in accordance with MM 4.9-12a and noise reduction measures contained in MM 4.9-12a shall be implemented, if necessary.	Field verification by biologist. Noise analysis prepared by applicant's noise specialist	Daily between September 15th and March 15th	County Department of Environmental Health	

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<b>MM 4.9-12c:</b>	Bridge construction shall only occur between September 15 and March 15 unless daily monitoring by a qualified biologist during the breeding season determines that vireos and flycatchers have not yet arrived on site or have migrated out of the area early or if operational changes can be made and/or barriers designed by an acoustician can be installed prior to March 15 to reduce noise levels to less than 60 dB(A) L <sub>eq</sub> in vireo and flycatcher habitat. Daily noise monitoring shall be conducted in accordance with MM 4.9-12a and noise reduction measures contained in MM 4.9-12a shall be implemented, if necessary.	Field verification by biologist. Noise analysis prepared by applicant's noise specialist	Daily between September 15th and March 15th	County Department of Environmental Health	
<b>MM 4.9-13:</b>	Mitigation activities shall only occur between September 15 and March 15 unless operational changes can be made and/or barriers designed by an acoustician can be installed prior to March 15 to reduce noise levels to less than 60 dB(A) L <sub>eq</sub> in vireo and flycatcher habitat. Daily noise monitoring shall be conducted between March 15 and September 15 to verify that the measures are effective. If the 60 dB(A) L <sub>eq</sub> is exceeded, the acoustician shall work with the contractor to make additional operational changes or to install additional barriers that would reduce noise to less than 60 dB(A) L <sub>eq</sub> .	Field verification by biologist. Noise analysis prepared by applicant's noise specialist	Daily between September 15th and March 15th	County Department of Environmental Health	
<b>MM 4.9-14:</b>	Indirect impacts to a total of 20.0 acres of vireo and flycatcher habitat caused by project traffic noise shall be mitigated through on-site creation or enhancement of 17.1 acres of vireo and flycatcher habitat, and the off-site acquisition of 2.9 acres of vireo and flycatcher habitat. On-site and off-site mitigation areas would not be affected by noise levels of 60 dB (A) L <sub>eq</sub> or greater as a result of project-generated or cumulative traffic. Any on-site creation or enhancement shall be in area dedicated as open space. Any off-site acquisition may occur anywhere within the unincorporated area of San Diego County and a conservation easement shall be placed across the area to permanently protect the resource. Off-site acquisitions may occur either through a direct purchase or mitigation credits from a habitat manager, mitigation bank or environmental group. The landfill operator shall prepare and submit for approval a Habitat Resource Management Plan or equivalent with respect to any off-site properties for which management practices in accordance with County requirements have not already been established. The implementation of this mitigation shall be prior to or	Verification of on-site creation or off-site acquisition of 20.0 acres of vireo and flycatcher habitat	Prior to construction that disturbs the vireo and flycatcher habitat	U.S. Fish and Wildlife Service, Army Corps of Engineers, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	

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	concurrent with construction that impacts vireo or flycatcher habitat or as otherwise determined in consultation with the resource agencies.				
<b>MM 4.9-15a:</b>	A temporary 12-foot high wall or berm shall be constructed along the northern edge of Borrow/Stockpile Area A outside the vireo/flycatcher breeding season (March 15 to September 15) and prior to the use of Borrow/Stockpile Area A. The barrier can be removed once topography provides the necessary noise barrier to reduce noise levels in the habitat during the breeding seasons to less than 60 dB(A) $L_{eq}$ .	Construction contract addressing timing and noise analysis	Prior to use of Borrow/ Stockpile Area A	County Department of Environmental Health	
<b>MM 4.9-15b:</b>	Noise monitoring shall be conducted weekly for up to one month by a qualified acoustician to verify that operational noise levels are below 60 dB(A) $L_{eq}$ in vireo and flycatcher habitat. If noise levels equal or exceed 60 dB(A) $L_{eq}$ , a 16-foot high permanent noise wall shall be installed prior to the vireo breeding season (March 15 to September 15, includes flycatcher breeding season) or immediately if during the breeding season. If noise levels exceed 60 dB(A) $L_{eq}$ during the breeding season, operational changes shall be made to reduce noise levels to less than 60 dB(A) while the noise wall is being constructed. The noise wall shall be constructed east of the knoll between the internal haul road and the top of slope for the facilities area to block truck noise emanating into the habitat.	Noise analysis prepared by applicant's noise specialist	During operations weekly, up to one month March 15th to September 15th, in necessary	County Department of Environmental Health	
<b>MM 4.9-16:</b>	Throughout the life of the project, access routes shall be restricted to existing roads, and entry into non-impact areas shall be restricted by the landfill operator. Areas not directly impacted by the project shall be posted with signs precluding access due to habitat sensitivity. A public education program shall be developed by a qualified biologist and shall be implemented to inform landfill staff and visitors about access restrictions and the sensitivity of habitats on site.	Field verification. Preparation and submittal of public education program	Throughout life of project	County Department of Environmental Health	

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<b>MM 4.9-17a:</b>	Control of invasive, exotic plant species shall occur as described in the habitat enhancement plan presented in MM 4.9-18 and shall include the channel excavation area associated with construction of the bridge.	Preparation and acceptance of Habitat Enhancement Plan	Prior to construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-17b:</b>	Temporary and permanent slopes shall be revegetated with native plant species to inhibit the growth of non-natives.	Preparation and acceptance of Habitat Enhancement Plan	Prior to construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	
<b>MM 4.9-18:</b>	<p>The project applicant shall implement a habitat enhancement plan to improve the San Luis Rey River watershed on site as described below and within the enhancement area shown in Exhibit 4.9-6 of the Revised Final EIR in accordance with the Wetland Mitigation and Habitat Enhancement Plan set forth in Appendix I, as updated and modified.</p> <p>Beyond the mitigation obligation associated with compensating for direct and indirect project impacts to vegetation communities, the project applicant for the Gregory Canyon Landfill shall be required to implement a habitat enhancement program for improvements to the San Luis Rey River watershed. In addition to the proposed open space dedication (1,313 acres), the project applicant shall create or enhance 131.4 acres of upland areas and 81.2 acres of riparian areas within the portion of the San Luis Rey River corridor contained on site (Exhibit 4.9-6). The restoration would likely be phased and would not occur all at one time.</p> <p>The habitat enhancement program shall focus on the restoration of riparian and upland habitats within the San Luis Rey River floodplain on site, in the areas indicated on Exhibit 4.9-6, above and beyond the</p>	Preparation and acceptance of Habitat Enhancement Plan	Prior to construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	

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	<p>project's direct mitigation obligations for vegetation community impacts. The San Luis Rey River has been identified as one of the most easily restorable rivers in southern California (ACOE 1981). This portion of the program shall consist of the restoration of lost and/or damaged habitat and water quality caused by the long-term agricultural use of the property and the removal of highly invasive, exotic plant species. The project applicant is proposing to remove the existing Verboom dairy operations and most structures and all equipment associated with the Verboom and Lucio dairies from the site in concert with the initial construction of the landfill. Under this enhancement program, man-made berms and weed seed banks in the river's watershed shall be excavated to restore more historic river flows and invasive, non-native plant species would be replaced with native plantings. The excavation shall be focused on bringing the ground elevations down to a level that would connect the areas hydrologically with the existing groundwater system and to create a series of terraces that taper into the existing upland habitat. The excavation would be done in a manner that would prevent adverse effects on upstream and downstream properties. All upland and drier riparian areas shall be planted with tree species known from the site and hand-seeded to initiate native plant re-establishment. Weed control and monitoring shall be implemented regularly during the first five years of the project to prevent the re-establishment of non-native plant species. The goal of the restoration shall be to provide breeding and upland habitat for endangered species and widen the vegetative buffer around the riparian corridor present on site.</p> <p>The dedicated open space on-site, including the restored river corridor, shall be managed with a financial contribution provided by the project applicant. The project applicant shall work with the USFWS and the CDFG to identify a qualified conservancy or other non-profit organization to be responsible for implementing long-term management activities for the restored river. The type of management activities shall depend upon the condition of the site, the resources present, and the funds available to manage those resources. Management activities shall include restriction of vehicular and human access through the installation of fencing and signs, control of exotic</p>				

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	species [e.g., brown-headed cowbirds and giant reed ( <i>Arundo donax</i> )], control of illegal dumping and monitoring endangered species populations. The landfill operator shall prepare and submit for approval a Habitat Resource Management Plan or equivalent with respect to on-site dedicated open space, or created or enhanced habitat areas.				
<b>MM 4.9-20:</b>	If project construction activities for the improvements of the Reservoir Site are scheduled to occur during the breeding season for coastal California gnatcatcher (February 15 through August 31), three surveys pursuant to U.S. Fish and Wildlife Service protocol shall be conducted to determine the presence or absence of the species in coastal sage scrub habitat within 500 feet of the improvement. If it is determined that the species is absent, construction may proceed without restrictions. If the coastal California gnatcatcher is present within 500 feet of the improvement, no construction activities shall be allowed between February 15 and August 31, unless shielding is used to reduce construction noise levels to less than 60 dB A L <sub>eq</sub> at the species' habitat. Shielding shall be approved by a qualified acoustician. No coastal California gnatcatcher-related restrictions will be placed on construction activities outside of the coastal California gnatcatcher breeding season.	Prior to construction of the improvements at the Reservoir Site occurs February 15 through August 31; field verification by biologist	County Department of Environmental Health		
	<b>4.10 PALEONTOLOGICAL RESOURCES</b>	Letter to County identifying paleontologist and paleontological monitor prior to borrow grading; Field observation initially eight hours per week	County Department of Environmental Health		
<b>MM 4.10-1a</b>	Prior to issuance of the grading permit by the County, the applicant shall retain a qualified paleontologist to monitor excavations on site. Initially monitoring shall occur eight hours per week (e.g., two four-hour days or four two-hour days) during earthmoving activities in the Quaternary Alluvium. (This earthwork is to occur during construction of the bridge footings and roads and the excavation of the borrow sites.) The contractor shall notify the qualified paleontologist at the time such activities will be initiated so that a monitor can be present. (A paleontological monitor is defined as an individual who has experience in the collection and salvage of fossil materials. The paleontological monitor shall work under the direction of a qualified	with weekly letter prepared by			

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	paleontologist.) The applicant shall submit a letter to the Department of Environmental Health identifying the monitor. Weekly letters shall be prepared by the monitor and provided to the Department of Environmental Health.	palaeontological monitor			
MM 4.10-1b	If unique fossils are discovered, the applicant shall have a qualified paleontologist (or paleontological monitor) recover them. If an extended salvage period is required, the paleontologist (or paleontological monitor) shall be allowed to temporarily direct, divert, or halt grading to allow recovery of fossils in a timely manner. If necessary, the paleontologist shall be allowed to set up a screen-washing operation to process the matrix to bulk sample selected geologic beds. If unique fossils are found, the applicant's paleontologist shall provide a letter to the Department of Environmental Health documenting the find and procedures followed on-site.	Letter from applicant's paleontologist's based on field observation	After recovery of unique fossils, if any are found	County Department of Environmental Health	
MM 4.10-1c	The applicant shall have a qualified paleontologist clean, repair, and catalog any fossil remains collected during monitoring and salvage operations. Prepared fossils, along with copies of all pertinent field notes, photos, and maps, shall be deposited (as a donation) in a scientific institution with permanent paleontological collections such as, the San Diego Natural History Museum. Donation of the fossils shall be accompanied by financial support from the applicant for initial specimen storage. If fossil remains are found, the Department of Environmental Health shall review the preserved materials.	Review of preserved materials	If fossil remains are found on site	County Department of Environmental Health	
MM 4.10-1d	The applicant shall have a qualified paleontologist prepare regular biannual progress reports during earth moving activities in the Quaternary Alluvium (this earthwork to occur during construction of the bridge footings and roads and the excavation of the borrow sites) and a final summary report that outline the results of the resources mitigation program. These reports shall include discussions of the methods used, stratigraphic section(s) exposed, fossils collected, and the significance of recovered fossils. These reports shall be submitted to the Department of Environmental Health.	Written reports by applicant's paleontologist	Biannual and final summary report	County Department of Environmental Health	

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	<b>4.11 ARCHAEOLOGICAL &amp; CULTURAL RESOURCES</b>				
<b>MM 4.11-1</b>	Prior to project activity occurring at the cemetery, the applicant shall remove the cemetery by excavation of burials and rebury in a nearby active cemetery. Exhumation and re-interment of all remains from this cemetery shall be conducted in accordance with Section 7050.5 of the California Health and Safety Code.	Written verification from the applicant's archaeologist	Prior to project activity occurring in the area	County Department of Environmental Health	
<b>MM 4.11-2</b>	<p>It is possible that additional cultural resources could be discovered during grading and construction. Therefore, prior to issuance of a grading permit, the applicant shall retain a professional, registered archaeologist who is approved by the County and, if appropriate, a Native American monitor, who is selected from a list of suitable candidates obtained from the Native American Heritage Commission. The archaeologist and, if appropriate, the Native American monitor shall implement a monitoring and data recovery program to the satisfaction of the County's Director of Planning and Land Use, to mitigate potential impacts to previously undiscovered archaeological resources. The monitoring program shall consist of the monitor(s) attending a pre-grading meeting with the contractors to explain and coordinate the requirements of the program. In addition, the archaeologist and, if appropriate, the Native American monitor shall monitor initial grading and ground surface preparation on all previously undisturbed areas. The requirements of the monitoring program shall be noted on the final grading or improvement plan and all site workers shall be informed in writing by the project archaeologist of the restrictions regarding disturbance and removal of cultural resources as well as procedures to follow should a resource deposit be detected.</p> <p>In the event of notification by the project archaeologist that a potentially significant or unique find has been unearthed, grading operations shall cease immediately in the area of the find until the geographic extent and scientific value of the resource can be reasonably verified. Isolates and clearly non-significant deposits shall be minimally documented in the field. If significant archaeological materials are discovered, the County archaeologist shall be consulted and the resources shall be recorded and recovered using standard</p>	<p>Requirements of monitoring program noted on construction documents; copy of letter to site workers; written report by applicant's archaeologist</p>	<p>Prior to issuance of grading permit; during construction</p>	County Department of Planning and Land Use	

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**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	<p>professional archaeological methods. Once recovered, such resources shall be cleaned, catalogued, and permanently curated according to current professional repository standards. Construction in the affected area shall not resume until the archaeologist determines it to be appropriate.</p> <p>In the event that human remains are discovered, other than those located at the Higgins Family Cemetery, during the monitoring program, there shall be no further excavation or disturbance of the site, nor shall there be any disposition of such human remains, other than in accordance with the procedures and requirements set forth in Section 7050.5 of the California Health and Safety Codes. If Native American burial sites are discovered, the project shall comply with the Public Resources Code 5097.98 and CEQA Guidelines Section 15064.5(e).</p> <p>Upon completion of earth disturbing activities and prior to operation of the project, the archaeological monitor shall prepare a report documenting the findings. This report shall be completed to the satisfaction of the County's Director of Planning and Land Use.</p>	<p>Written report by applicant's archaeologist</p>	<p>During construction</p>	<p>County Department of Planning and Land Use</p>	
<p><b>MM 4.11-3</b></p> <p>Prior to commencement of any construction activities, the applicant shall have a registered, professional archaeologist who is approved by the County and, if appropriate, a Native American monitor who is selected from a list of suitable candidates obtained from the Native American Heritage Commission provide measures to ensure the avoidance of impacts to known significant/CR-eligible cultural sites that could be indirectly affected by the proposed project (including: CA-SDI-683; CA-SDI-744B/12,584 A and B; CA-SDI-12,585; CA-SDI-14,609; and CA-SDI-14,610H). Such measures, which would serve to prohibit access to these sites, may include fencing, barricades, or remote monitoring devices. These devices shall be installed by the applicant prior to disturbance in the area of the above sites.</p> <p>In addition, the archaeologist and, if appropriate, the Native American monitor shall implement a monitoring program to the satisfaction of the County's Director of Planning and Land Use. The requirements of the monitoring program shall be clearly noted on the final grading or improvement plan and all site workers shall be informed in writing of</p>	<p>Mitigation monitoring program prepared by applicant's archaeologist</p>	<p>Prior to commencement of construction</p>	<p>County Department of Planning and Land Use</p>		

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	<p>the restrictions and procedures of the program. In addition, the monitor(s) shall attend a pre-grading meeting with the contractors to explain and coordinate these requirements as they pertain to these significant/CR-eligible cultural sites.</p> <p>In addition, the archaeologist and, if appropriate, the Native American monitor shall monitor initial grading and ground surface preparation on all previously undisturbed areas. Concurrent to the monitoring of grading, the monitor(s) shall identify and evaluate whether adverse impacts (e.g., erosion, looting, vandalism, etc.) have occurred at any of these sites.</p>	<p>drawings; copy of drawings; copy of letter to site workers</p> <p>Field observation by applicant's archaeologist; written report by applicant's archaeologist</p>	<p>During construction activities; approval of written report prior to operation of the project</p>	<p>County Department of Planning and Land Use</p>	
	<p>In the event that monitoring reveals deteriorating conditions at any of the significant/CR eligible cultural sites, the County archaeologist shall be consulted and the appropriate site preservation and/or data recovery efforts shall be implemented. Such efforts could include implementation of erosion control measures, capping of the affected portion of the site, or planting of native vegetation. If the monitor(s) determine that deterioration has resulted from landfill operations, a change in operational methods may be required.</p> <p>Upon completion of earth disturbing activities, the archaeological monitor shall prepare a report. The report shall include the results of the fieldwork and all appropriate laboratory and analytical studies that were performed in conjunction with any resource excavation that may have been performed. Such analyses could include radiocarbon dating, hydration and sourcing analysis, and mass spectrometer and thin sectioning, as appropriate. The report shall be submitted to the County's Director of Planning and Land Use for review and approval prior to operation of the project.</p>	<p>Consultation with County archaeologist, if necessary; written report by applicant's archaeologist</p>	<p>During construction</p>	<p>County Department of Planning and Land Use</p>	
				<p>Written report by applicant's archaeologist</p>	<p>Prior to operation of the project</p>

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
MM 4.11-4	The Research Requirements and Research Design for CA-SDI-745, included in Appendix N of this Final EIR, shall be followed. The Research Requirements and Research Design guides the analysis and curation of resources already recovered from Locus A and outlines the steps necessary for the completion of additional fieldwork and monitoring at Locus F. Included therein is the requirement for artifacts to be processed and curated according to current professional repository standards and transferred, including title, to an appropriate curation facility within San Diego County. The applicant is also required to pay the necessary fees for permanent curation. A report documenting the analysis and fieldwork results shall be prepared and submitted to the satisfaction of the County's Director of Planning and Land Use.	Written report by applicant's archaeologist	Prior acceptance waste	to County Department of Planning and Land Use	
MM 4.11-5	A complete analysis of materials collected from CA-SDI-14,611H, the Maggie Lovell Homestead, shall be conducted under the supervision of a registered, professional archaeologist. These artifacts shall be processed and curated according to current professional repository standards and shall be transferred, including title, to an appropriate curation facility within San Diego County. The applicant shall pay the necessary fees for permanent curation. A report documenting the analysis results shall be prepared and submitted to the satisfaction of the County's Director of Planning and Land Use prior to operation of the project.	Written report by applicant's archaeologist	Prior acceptance waste	to County Department of Planning and Land Use	
MM 4.11-6a	Increased intervals of water application (every three hours) on access roads, stockpiles, and cleared areas will mitigate impacts from dust to a less than significant level. Landscaping shall be installed between the landfill and CA-SDI-313/4,356 will serve as a dust screen and will reduce visual impacts created by fugitive dust and landfill operations. The landscaping should be installed a sufficient distance from the project site so as not to create a fire hazard.	Field inspection	At time of field inspection	County Department of Environmental Health	
MM 4.11-6b	In addition to mitigation measures MM 4.11-6a, the applicant shall have a professional rock art conservator provide baseline data and periodically assess the condition of Medicine Rock. The method for monitoring shall be developed in consultation with the Pala Band of	Field inspection	Prior to any construction activities on site; and once every	County Department of Environmental Health	

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	Mission Indians and approved by County DEH. Baseline data shall be collected prior to any construction activity on the project site. Because the archaeological site is not located on the project site or on the Pala Reservation, implementation of the measure would require approval by the adjacent property owner.		six months during construction		
	<b>4.12 ETHNOHISTORY &amp; NATIVE AMERICAN INTERESTS</b>				
<b>MM 4.12-1a</b>	Prior to commencement of operation of the landfill and as partial fulfillment of MM 4.1-2, the applicant shall either dedicate the portion of the site east of the landfill footprint and relocate SDG&E easement including the western slopes and the top of Gregory Mountain, as permanent open space or execute and convey a permanent open space easement over this area.	Execution of easement	Prior to operation of landfill	County Counsel and County Department of Environmental Health	
<b>MM 4.12-1b</b>	Prior to commencement of operation of the landfill the applicant shall execute and record an access easement to the Pala Band of Mission Indians from the western boundary of the land owned by the Pala Band of Mission Indians to the summit of Gregory Mountain. The access easement shall grant the Pala Band of Mission Indians the right to walk or hike only within the access easement area.	Recordation of access easement	Prior to operation of landfill	County Counsel and County Department of Environmental Health	
<b>MM 4.12-1c</b>	Should the Pala Band agree, the applicant shall, upon commencement of operation of the landfill, pay to the Pala Band of Mission Indians a fixed dollar amount as determined below. Such amount shall be used by the Pala Band to implement measures to enhance and improve access to Gregory mountain from the Pala Reservation. Such measures may include, but are not limited to, a new footpath, clearing of an existing footpath, or the marking of new footpath trail as determined by Pala in its sole discretion. Such dollar amount shall be equal to the estimated cost of restoring the footpath that previously existed from the eastern base of Gregory Mountain to the top of the mountain. This estimate shall be obtained by the applicant from a company experienced in restoring footpaths.	Letter from applicant	Prior to operation of landfill	County Department of Environmental Health	

## GREGORY CANYON LANDFILL

### MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.12-1d</b>	In addition to the construction of the trail, should the Pala Band agree, the applicant shall provide funding as needed for the annual maintenance of the trail from the eastern base to the top of the mountain during the operational life of the landfill.	Letter from applicant	Annual	County Department of Environmental Health	
<b>MM 4.12-1e</b>	The applicant shall postpone landfilling activities on the western slope of Gregory Mountain above the existing San Diego Gas & Electric transmission line for as long as its practically possible.	Letter from applicant	Annual	County Department of Environmental Health	
<b>MM 4.12-2a</b>	The applicant shall apply water on access roads, storage piles, and cleared areas in greater intervals, such as every three hours, during high wind periods to reduce the dust generated by vehicles.	Field inspection	At the time of field inspections	County Department of Environmental Health	
<b>MM 4.12-2b</b>	The applicant shall install landscaping between the landfill operations and Medicine Rock to create a dust screen. The landscape screen shall include shrubs and trees, such as manzanita and ceanothus.	Field inspection	Prior to operation of landfill	County Department of Environmental Health	
<b>MM 4.12-3</b>	The applicant shall monitor noise levels at the ridgeline during the relocation of the SDG&E transmission towers. If noise levels exceed 62.5 dBA L <sub>eq</sub> at the ridgeline, the applicant shall implement some or all of the following measures to reduce the noise levels to below 62.5 dBA L <sub>eq</sub> :	Noise monitoring and written report by applicant's noise expert	During relocation of the transmission towers	County Department of Environmental Health	
	<ul style="list-style-type: none"> <li>• Build temporary noise barriers or berms between construction activities and the ridgeline. Design parameters (e.g., height, length, and location) for these temporary noise barriers or berms shall be determined by a qualified noise expert.</li> <li>• Reduce the amount or size of construction equipment. For example, equipment with smaller engines could be used.</li> </ul> <p>If the 62.5 dBA L<sub>eq</sub> threshold is not exceeded, no action beyond monitoring shall be necessary.</p>				
<b>MM 4.12-4</b>	The project shall mitigate for the loss of ethnobotanical plants in southern willow scrub, mulefat scrub, cotton-willow riparian forest, and native perennial grassland by the creation of in-kind habitats on the landfill site that include ethnobotanical species listed in Appendix O. This revegetated habitat shall be incorporated into the Habitat Enhancement Plan and/or the dedicated open space areas. Before the	Letter from applicant's biologist	Prior to construction activities	County Department of Environmental Health	

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	mitigation plans for these areas are finalized, the Tribe would have the opportunity to provide input concerning the selection of specific ethnobotanical resources. In addition, the Tribe shall be given the opportunity to provide input regarding the location of the in-kind habitats to ensure that tribal members have adequate access to the areas				
<b>4.13 AESTHETICS</b>					
<b>MM 4.13-1</b>	As required by Proposition C, an overall conceptual landscape treatment plan shall be prepared by a licensed landscape architect and a qualified biologist incorporating the detailed measures for each project element as indicated in MM 4.13-2, through MM 4.13-10. The conceptual landscape plan is shown in Exhibit 4.13-18. The plan shall address the timing of the installation of each element. The elements shall be implemented so as to provide the necessary screening but also to allow efficient operation of the project. The landscape treatment plan shall be approved by the Department of Environmental Health prior to the operation of the landfill.	Landscape plan	Prior to operation of landfill	County Department of Environmental Health	
<b>MM 4.13-2a</b>	Existing trees and shrubs along SR 76 shall be saved and supplemented by like species and other fast growing trees to create a naturally landscaped transportation corridor through the property, where appropriate to screen the landfill. All on-site highway frontage along the south side of SR 76, shall be planted with a minimum 20-foot wide screen of native or indigenous trees and shrub species. The applicant's landscape architect shall verify to the County Department of Environmental Health in writing within two years of commencement of the landfill operation that this measure has been implemented.	Letter from applicant's landscape architect	Two years after commencement of operation of landfill	County Department of Environmental Health	
<b>MM 4.13-2b</b>	Major tree groupings and transplants as well as native revegetation and rock outcrop placement shall be completed along the edges of the landfill. The placement shall not be too far out from the sides of the landfill, taking into consideration the drainage and settlement of the landfill. A transitional blending of the flat landfill face shall be undertaken along the bottom and perimeter edges where it meets the existing terrain. Large boulders and trees could be placed to resemble the ribbon of oak woodland impacted by the landfill. Tree groupings	Letter from applicant's landscape architect	After installation as determined in landscape plan	County Department of Environmental Health	

**GREGORY CANYON LANDFILL**  
**Mitigation Monitoring And Reporting Program For Project Impacts (Continued)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	could be placed in groves below existing swales that contain oaks and sycamores. This extension of natural vegetation communities would help break the geometric lines of the landfill and would help the face blend with the surrounding hillsides. The applicant's landscape architect shall verify to the County Department of Environmental Health in writing after implemented as determined in the landscape plan.				
MM 4.13-2c	Permanent slopes shall be stabilized with appropriate native plant seed mix and container stock around the edges. In some cases, where phasing may result in changes and/or transitions to the slopes, more temporary erosion control techniques could be utilized. The County Department of Environmental Health shall field verify implementation of this measure.	Field verification	At time of field inspections	County Department of Environmental Health	
MM 4.13-2d	Any landfill slope that would remain unchanged beyond one full year shall be hydroseeded or revegetated. Revegetation shall take into account the contrast, color, and texture so that it can blend back into the local setting. The County Department of Environmental Health shall field verify implementation of this measure.	Field verification	At time of field inspections	County Department of Environmental Health	
MM 4.13-2e	Drainage and methane extraction structures and pipes shall be painted or be made of materials that fit into the local color environment and that match adjacent textures. Painting of the structures, pipelines and other facilities associated with surface drainage, subsurface drainage and methane gas control would help blend them into the background of the areas that they are traversing. At the time of installation of the drainage and methane extraction structures and pipes, the operator shall provide a letter to the San Diego Air Pollution Control District and the County Department of Environmental Health indicating that the measure has been implemented.	Letter from landfill operator	At time of installation of drainage and methane extraction structures and pipes	San Diego Air Pollution Control District and County Department of Environmental Health	
MM 4.13-2f	Brow ditches shall be constructed with outside bench lips slightly higher than inside edges. Culverts and other pipelines connecting brow ditches shall be painted to blend with landfill slopes. Integral or stained color shall be used on all brow ditches. A natural brown, beige or sand colored staining shall be used so that the ditch will not contrast	Letter from landfill operator	At time of installation of brow ditches, culverts and pipelines	County Department of Environmental Health	

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	with adjacent colors. Painting of miscellaneous structures shall use a variety of colors that match the revegetation patch and soil color that the pipeline is going through. At the time of installation of the berm ditches, culverts and pipelines, the operator shall provide a letter to the County Department of Environmental Health indicating that the measure has been implemented.				
<b>MM 4.13-2g</b>	The applicant shall explore the feasibility of obtaining a landscape easement along SR 76 to the west of the site on the adjacent property or the Caltrans right-of-way as shown on Exhibit 4.13-17 of the Final EIR. The easement, if obtained, shall be planted with a screen of native or indigenous trees and shrub species to create a naturally landscaped transportation corridor similar to the screening on the project site. The landscaping shall provide screening of the landfill for drivers traveling west along SR 76 towards the site.	Written correspondence from applicant demonstrating good faith effort	Prior to commencement of operation	County Department of Planning and Land Use	
<b>MM 4.13-3</b>	The benches and lifts shall be graded to minimize the significant landform quality impact. Blending of created landforms with adjacent landforms can be achieved by manipulating the landform to resemble or meld with its surroundings, planting to create the pattern resembling the adjacent vegetation matrix and its colors, and incorporating boulders into the final grades to create the rocky texture of the surrounding hillsides. The County Department of Environmental Health shall field verify implementation of this measure.	Field verification	At time of field inspections	County Department of Environmental Health	
<b>MM 4.13-4</b>	Areas within public view, such as along SR 76, adjacent to the facility area or within the abandoned Lucio Dairy parcels, shall be revegetated to mitigate for the loss of visual resources in accordance with the landscape plan (MM 4.13.1). The revegetation shall contain both oak woodland habitats and riparian plantings. Wherever possible, boulders and rock outcrops should be relocated from disturbed areas to replanted areas. The plan shall incorporate and compliment the mitigation for biological resources (Section 4.9). The revegetation shall be implemented within two years after the commencement of the landfill operation.	Landscape plan	Two years after commencement of operation of the landfill	County Department of Environmental Health	

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
MM 4.13-5	Large riparian trees along with the associated understory found within these riparian zones shall be planted along the access road and bridge to screen the project elements and the excavation in accordance with the landscape plan (MM 4.13.1). The plan shall incorporate and compliment the mitigation for biological resources (Section 4.9). Landscaping shall be installed immediately after completion of the access road and bridge and implementation of this measure shall be verified in writing to the County Department of Environmental Health by the applicant's landscape architect.	Letter from applicant's landscape architect	Immediately after completion of the access road and bridge	County Department of Environmental Health	
MM 4.13-6a	In consultation with the landfill engineer, rock outcrops removed from the landfill footprint shall be placed in strategic locations around the facilities area. Implementation of this measure shall occur after completion of the facilities area or in accordance with the landscape plan (MM 4.13.1). Completion of this measure shall be verified in writing to the County Department of Environmental Health by the applicant's landscape architect.	Letter from applicant's landscape architect	After completion of facilities area or in accordance with the landscape plan (MM 4.13-1)	County Department of Environmental Health	
MM 4.13-6b	Areas adjacent to the ancillary facilities area and next to the water tank shall be planted with mature trees in major tree groupings to screen visual access to those structures. In addition, disturbed slopes shall be revegetated with native species. These concepts and the timing of implementation shall be incorporated into the landscape plan (MM 4.13.1). Completion of this measure shall be verified in writing to the County Department of Environmental Health by the applicant's landscape architect.	Letter from applicant's landscape architect	After completion of facilities area or in accordance with the landscape plan (MM 4.13-1)	County Department of Environmental Health	
MM 4.13-6c	The facilities and miscellaneous structures shall be painted or be made of materials that fit into the local color environment and shall also match adjacent textures. Implementation shall be field verified by the County Department of Planning and Land Use—Building Division after construction of the facilities area.	Building permit/ Plan review	After construction of facilities area	County Department of Planning and Land Use—Building Division	

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
MM 4.13-7	Landscape plans shall include vegetative screening on the side slopes and in areas below the crest to hide the grading for the western desilting basin. Landscaping shall be installed after completion of the western desilting basin. The applicant's landscape architect shall verify in writing to the County Department of Environmental Health that this measure has been implemented.	Letter from applicant's landscape architect	After installation of western desilting basin	County Department of Environmental Health	
MM 4.13-8a	Landform screening shall be implemented, including major tree groupings, at the edges of the Borrow/Stockpile Area A to help block the views of the area. The Department of Environmental Health shall field verify the implementation of this measure after commencement of operation.	Letter from applicant's landscape architect	After closure of Borrow/Stockpile Area A	County Department of Environmental Health	
MM 4.13-8b	The project grading plan shall include contouring of landforms to help blend the general forms of land masses on part of the lower stockpile areas. Gentle grading and curvilinear shapes shall be used to help blend top and side slopes in with the natural topography. Large, undifferentiated, flat slopes shall be avoided. The Department of Environmental Health shall field verify the implementation of this measure after commencement of operation.	Field verification	At the time of field inspections after commencement of operation	County Department of Environmental Health	
MM 4.13-8c	After initial construction, Borrow/Stockpile Area A shall be revegetated. Contrast, texture, and color matching shall be achieved in all revegetation. All areas shall be replanted with native plant materials that will decrease the amount of value and color contrast with surrounding areas. The Department of Environmental Health shall field verify the implementation of this measure after commencement of operation.	Field verification	At the time of field inspections after closure of Borrow/Stockpile Area A	County Department of Environmental Health	
MM 4.13-9a	The project grading plan shall include contouring of landforms to help blend the general forms of land mass on part of the upper stockpile areas. Gentle grading and curvilinear shapes shall be used to help blend top and side slopes in with the natural topography. Large, undifferentiated, flat slopes or pads shall be avoided. Leading edge landforms shall be created within the first two years of the creation of Borrow/Stockpile Area B to help block the views of the working face of the stockpile. The Department of Environmental Health shall field	Field verification	At the time of field inspections after commencement of use of Borrow/Stockpile Area B	County Department of Environmental Health	

**GREGORY CANYON LANDFILL**  
**MITIGATION MONITORING AND REPORTING PROGRAM FOR PROJECT IMPACTS (CONTINUED)**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	verify the implementation of this measure after commencement of use of Borrow/Stockpile Area B.				
<b>MM 4.13-9b</b>	If a stockpile landform were to remain beyond one full year, the area shall be hydroseeded or other revegetation efforts undertaken. Contrast, texture, and color matching shall be achieved in all revegetation. All areas shall be replanted with native plant materials that will decrease the amount of value and color contrast with surrounding areas. Temporary revegetation of slopes shall also be used to reduce contrast, insofar as the proper colors and textures are utilized in the plant selection process. The Department of Environmental Health shall annually field verify the implementation of this measure after commencement of use of Borrow/Stockpile Area B.	Field verification	Annually upon commencement of use of borrow/stockpile areas	County Department of Environmental Health	
<b>MM 4.13-9c</b>	Landform screening shall be planted, including major tree groupings, at the edges of the Borrow/Stockpile Area B to screen the area from view. After installation as determined in the landscape plan (MM 4.13.1), the applicant's landscape architect shall verify implementation of this measure in writing to the Department of Environmental Health.	Letter from applicant's landscape architect	After installation as determined in landscape plan	County Department of Environmental Health	
<b>MM 4.13-10</b>	In consultation with SDG&E, the applicant shall minimize the pad areas needed for the relocated powerline towers. Related cut slopes shall be permanently revegetated and landform grading techniques shall be used to blend the pads in with adjacent landforms. The cut face of these pads shall be sculpted to allow rock outcrops to remain and be prominent. Additional rock outcrops shall be placed where they do not interfere with the access and maintenance requirements of the towers. The applicant's landscape architect shall provide a letter to the County Department of Environmental Health verifying that these measures shall be implemented prior to the relocation of the towers.	Letter from applicant's landscape architect	Prior to relocation of transmission towers	SDG&E and County Department of Environmental Health	
<b>MM 4.13-11</b>	If the landfill face is disturbed to repair any surface cracking, settlement, and/or surficial slumping, the area shall be recontoured to match the approved contours and the area shall be revegetated immediately, using the approved plant palette in the Final Closure Plan (see Table 3-5 of the EIR for a plant species list), after the completion of the repair work.	Letter from applicant's engineer and landscape architect	After the completion of the repair work	County Department of Environmental Health	

**TABLE 10-2**  
**MITIGATION MONITORING AND REPORTING PROGRAM**  
**PROPOSITION C MEASURES**

**GREGORY CANYON LANDFILL  
PROPOSITION C MEASURES  
MITIGATION MONITORING AND REPORTING PROGRAM**

PROPOSITION C MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS      DATE
LAND USE					
<b>MM4.1.C5A</b>	<i>The solid waste facilities shall remain open for the receipt of refuse a minimum of eight (8) hours a day; six (6) days a week, excepting those holidays observed by County-owned landfills.<sup>1</sup></i>	Field Verification	At the time of field inspections	County Department of Environmental Health	
<b>MM 4.1.C5B</b>	<i>Solid waste operation shall occur only between the hours of 7:00 AM and 6:00 PM, Monday through Friday, and 8:00 AM and 5:00 PM on Saturday unless different hours are established by the Integrated Waste Management Board.<sup>2</sup> For the purposes of this mitigation measure “solid waste operations” shall include the receipt, handling, processing, and/or disposal of solid waste or recyclable materials; cover operations; site grading and/or excavation, including blasting and rock crushing; and heavy equipment operation. Other site activities such as the operation of gas and leachate collection and treatment systems, remedial activities required by a regulatory agency, maintenance within the maintenance yard, and activities conducted in a completely enclosed building shall not be limited to these hours of operation.</i>	Field Verification	At the time of field inspections	County Department of Environmental Health	
<b>MM 4.1.C5Q</b>	<i>A Citizen Environmental Review Board (the “Board”) shall be established by agreement between the Applicant and the cities or other governmental entities agreeing to supply waste to the Project. The members of such Board shall be appointed by each such city or entity and shall be individual citizens who are not employees or officials of such city or entity. The Board shall have the authority to inspect and review all reports submitted by the Project to any other regulatory agency and to make recommendations to any such regulatory agency with respect to the operation of the Project, including any enforcement actions the Board may deem appropriate. The Board shall establish an</i>	Letter from applicant	After commencement of operation when at least five (5) public agencies execute waste supply agreements with the operator	County Department of Environmental Health	

<sup>1</sup> Effective October 31, 1998, there are no County-owned landfills. Since this measure was contained in Proposition C, it is provided verbatim.

<sup>2</sup> Although stated this way in Proposition C, the Local Enforcement Agency, which is County DEH, will be the agency regulating and enforcing hours of operation.

**GREGORY CANYON  
PROPOSITION C MEASURES  
MITIGATION MONITORING AND REPORTING PROGRAM**

PROPOSITION C MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS	DATE
	<i>environmental review team consisting of qualified personnel to monitor the operations of the landfill which team shall have reasonable access to the landfill during all hours of operation of the landfill.</i>					
<b>MM 4.2.C5H</b>	<i>All structures located at the Gregory Canyon site shall be designed by a qualified engineer to withstand the maximum probable earthquake, to avoid potential impacts associated with earthquakes and ground shaking.</i>	Plan review	Prior to issuance of building permit	Department of Planning and Land Use—Building Division		
	<b>Geology and Soils</b>					
<b>MM 4.3.C5E</b>	<i>A liner and leachate collection system shall be installed and monitored as required by the Regional Water Quality Control Board.</i>	Joint technical document; field verification and reporting by applicant's hydrogeologist	Phased installation of liner—verification as needed	Regional Water Quality Control Board		
	<b>Hydrogeology &amp; Surface Hydrology</b>					
<b>MM 4.3.C5G</b>	<i>The project shall comply with all requirements of the Regional Water Quality Control Board to ensure protection of surface and underground water quality.</i>	Joint technical document; field verification and reporting by consultant	Phased implementation of regulations—as needed	Regional Water Quality Control Board		
	<b>Traffic and Circulation</b>					
<b>M 4.5.C5I</b>	<i>In order to mitigate traffic impacts, the Applicant shall widen and realign State Route 76 on either side of the access road to improve sight distance and to facilitate truck movements. The realigned segment will provide approximately 1,000 feet of sight distance in both directions for traffic leaving the landfill. The Applicant shall contribute on a fair share basis to the widening of State Route 76 west of the access road to applicable state standards. The fair share shall be based upon the state standard average daily trips. Striping will be provided for acceleration/</i>	Field verification of SR 76 improvements identified in the project description	Prior to acceptance of solid waste	Caltrans and County Department of Public Works		

**GREGORY CANYON  
PROPOSITION C MEASURES  
MITIGATION MONITORING AND REPORTING PROGRAM**

PROPOSITION C MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS      DATE
	<i>deceleration lanes and an over-take lane for through traffic. These realignment plans may be modified as necessary to meet Caltrans requirements.</i>				
	<b>Noise and Vibration</b>				
<b>MM 4.6.C5K</b>	<p><i>The applicant shall prepare a Noise Abatement Plan to include:</i></p> <ul style="list-style-type: none"> <li><i>Physical design provisions to ensure that ambient noise levels do not exceed 65 CNEL at the boundaries of the Gregory Canyon site.</i></li> <li><i>Installation of landfill equipment and vehicles with noise suppressing equipment to assist in meeting the above restrictions.</i></li> </ul>	Joint technical document; written plan by applicant; written report by applicant's noise expert after testing; letters prior to blasting	Annual report	County Department of Environmental Health	
	<p><i>Provisions for at least 24-hour in advance written notice of any blasting on-site to residents within a one-mile radius of the blast site.</i></p> <p><i>Where ambient noise levels exceed 65 CNEL at the boundaries of the Gregory Canyon site, the applicant shall retain a qualified noise expert to evaluate the problem and recommend mitigation measures. These mitigation measures will be implemented by the applicant.</i></p>		Letters prior to blasting	Sheriff's Department and County Department of Environmental Health (Blasting)	
	<b>Air Quality</b>				
<b>MM 4.7.C5F</b>	<i>The Project shall include a network of vertical extraction wells, lateral transmission pipes to a gas recovery facility, and perimeter gas monitoring probes. With this system, the landfill gas will be extracted from the landfill and combusted in an enclosed flare.</i>	Plan review	Prior to issuance of a permit for gas recovery system	San Diego Air Pollution Control District	

**GREGORY CANYON  
PROPOSITION C MEASURES  
MITIGATION MONITORING AND REPORTING PROGRAM**

PROPOSITION C MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
MM 4.7.C5J	<i>Air quality impacts associated with the Project shall be mitigated by meeting all requirements imposed by the San Diego Air Pollution Control District for the Authority to Construct and Authority to Operate permits.</i>	Plan review	Prior to issuance of Authority to Construct and Authority to Operate permits	San Diego Air Pollution Control District	
MMI 4.7.C5L	<i>To control odors on-site, the Applicant shall submit an Odor Control Plan to the San Diego County Air Pollution Control District for review and approval.</i>	Written plan	Prior to acceptance of solid waste	San Diego Air Pollution Control District	
MM 4.7.C5M	<i>To control dust from Project operations, the Applicant shall submit a Dust Control Plan to the San Diego County Air Pollution Control District for review and approval.</i>	Written plan	Prior to acceptance of solid waste	San Diego Air Pollution Control District	
<b>Biological Resources</b>					
MMI 4.9.C5N	<i>All sensitive species and habitat impacted by the Project shall be mitigated in accordance with requirements imposed by the United States Fish &amp; Wildlife Service as part of the Section 7 consultation.</i>	Biological opinion	Prior to issuance of grading permit	U.S. Department of Interior (U.S. Fish and Wildlife)	
MMI 4.9.C5C	<i>At least five (5) days each week, the Applicant shall inspect for, and clean up, all litter and illegal dumping which occurs on, or adjacent to, the landfill access road and that portion of SR 76 between the intersection with Interstate 15 and the site. The clean up team shall consist of at least one truck with a minimum crew of two persons.</i>	Field verification	At the time of field inspections	County Department of Environmental Health and Department of Planning and Land Use—Codes Division	
<b>Ethnohistory and Native American Interests &amp; Archaeological and Cultural Resources</b>					
MM 4.11.C5P & MM4.12.C5P	<i>Impacts to Native American resources impacted by the Project shall be mitigated through the development of a Memorandum of Agreement between the Applicant and the appropriate regulatory agencies in accordance with Section 106 of the National Historic Preservation Act.<sup>3</sup></i>	Memorandum of Agreement only if Section 106 applies	Prior to issuance of grading permit	State Historic Preservation Office	

<sup>3</sup> Section 106 consultation under the NHPA, if and to the extent required, will occur with issuance of the nationwide permit.

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MITIGATION MONITORING AND REPORTING PROGRAM**

PROPOSITION C MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	<i>To mitigate archaeological impacts caused by the Project, the Applicant shall retain a qualified archaeologist to investigate and recommend appropriate mitigation measures. These mitigation measures shall be implemented by the Applicant.</i>	Letter from applicant's cultural expert	Prior to certification of the Final EIR or prior to or during construction as stated in mitigation measures 4.11-1 through 4.11-7	County Department of Environmental Health	
MM 4.13.C50	<i>In order to mitigate visual impacts associated with the Project, the Applicant shall employ extensive use of landscaping emphasizing native vegetation, and rounding/undulation of slopes on the refuse column and changes in slope angles. All landscaping shall be performed by a licensed landscape architect in the State of California. This licensed architect shall prepare a detailed landscape plan designed to minimize visual impacts associated with the Project to the maximum feasible extent. The plan prepared [by] the licensed architect shall be implemented by the Applicant upon completion.</i>	Landscape plan prepared by applicant's landscape architect	Prior to commencement of operation	County Department of Environmental Health	
MM 4.16.C5C	<i>At least five (5) days each week, the Applicant shall inspect for, and clean up, all litter and illegal dumping which occurs on, or adjacent to, the landfill access road and that portion of Highway 76 between the intersection with Interstate 15 and the site. The clean up team shall consist of at least one truck with a minimum crew of two persons.</i>	Field inspection	At the time of field inspections	County Department of Environmental Health	
MM4.16.C5D	<i>The Applicant shall maintain trained, full-time personnel engaged exclusively and continuously in the inspection of incoming refuse loads for hazardous waste. These personnel shall be stationed at the working face of the landfill whenever the landfill is open to accept waste and shall inspect loads as they are tipped. Hazardous wastes encountered in this fashion shall be handled and disposed of in accordance with state regulations.</i>	Field inspection	At the time of field inspections	County Department of Environmental Health	

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PROPOSITION C MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
<b>MM 4.16.C5F</b>	<p><i>The Project shall include a network of vertical extraction wells, lateral transmission pipes to a gas recovery facility, and perimeter gas monitoring probes. With this system, the landfill gas will be extracted from the landfill and combusted in an enclosed flare.</i></p>	Plan review	Installation of extraction wells, transmission pipes and perimeter gas monitoring probes when determined appropriate	San Diego County Air Pollution Control District	

**TABLE 10-3**  
**MITIGATION MONITORING AND REPORTING PROGRAM**  
**FIRST SAN DIEGO AQUEDUCT RELOCATION OPTION**

**GREGORY CANYON LANDFILL**  
**FIRST SAN DIEGO AQUEDUCT RELOCATION OPTION**  
**MITIGATION MONITORING AND REPORTING PROGRAM**

MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
MM 4.4-1	<b>4.4 SURFACE HYDROLOGY</b>	Agreement with SDCWA	Prior to First San Diego Aqueduct Relocation Option construction	SDCWA	
MM 4.7-3	<p><b>4.7 AIR QUALITY &amp; AIR TOXICS HEALTH RISKS</b></p> <p>The construction contractor responsible for the relocation of the First San Diego Aqueduct shall implement the following measures:</p> <ul style="list-style-type: none"> <li>• Use water trucks to keep all areas of vehicle movement sufficiently damp to prevent the raising of dust by travel;</li> <li>• Wet down the site in the late morning and after work is complete for the day;</li> <li>• At least once per day wet down non-active construction areas that have not be reseeded to minimize windblown dust;</li> <li>• As soon as feasible, re-establish groundcover on areas disturbed by construction through seeding and watering those areas that will not be disturbed for extended periods (e.g., two months or more);</li> <li>• Reduce traffic speeds on all unpaved road surfaces to no more than 15 miles per hour; and</li> <li>• Maintain construction equipment engines by keeping them tuned in accordance with manufacturers specifications.</li> </ul>	Field verification	Field inspection during First San Diego Aqueduct Relocation Option construction	San Diego Air Pollution Control District	

**GREGORY CANYON LANDFILL**  
**FIRST SAN DIEGO AQUEDUCT RELOCATION OPTION**  
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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	<b>4.9 BIOLOGICAL RESOURCES</b>				
<b>MM 4.9a</b>	<p>A pre-construction meeting shall take place with a qualified biologist and construction personnel. The biologist shall explain the access restrictions on site, the importance of remaining within construction zones, the sensitivity of the habitats and species on site, and shall explain the potential consequences of violating the access restrictions and impacting biological resources outside the construction zones. Any accidental impacts to sensitive habitat occur outside the designated impact area shall be mitigated at a 3:1 ratio. A letter from the applicant's biologist and contractor(s) verifying receipt of biological information shall be provided to the County Department of Environmental Health prior to commencement of construction.</p>	<p>Letter from applicant's contractor(s) verifying receipt of biological information</p>	<p>Prior to commencement of construction</p>	<p>County Department of Environmental Health</p>	
<b>MM 4.9-19a</b>	<p>The construction easement (minus permanent access road) shall be revegetated with coastal sage scrub immediately following completion of the pipeline relocation on the landfill site. The landscape plans shall incorporate this revegetation requirement.</p>	<p>Preparation of landscape plans</p>	<p>Prior to commencement of construction</p>	<p>County Department of Environmental Health and Department of Planning and Land Use</p>	
<b>MM 4.9-19b:</b>	<p>Impacts to coastal sage scrub shall be mitigated at a minimum ratio of 2:1 through off-site acquisition of 19.0 acres of coastal sage scrub. The off-site acquisition may occur anywhere within the unincorporated area of San Diego County and a conservation easement shall be placed on the mitigation area to permanently protect the resource. Off-site acquisitions may occur either through a direct purchase or through mitigation credits from a habitat manager, mitigation bank, or environmental group. The landfill operator shall</p>	<p>Recordation of conservation easement; submittal of Habitat Resource Management Plan</p>	<p>Prior to commencement of construction</p>	<p>U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and</p>	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	prepare and submit for approval a Habitat Resource Management Plan or equivalent with respect to on-site dedicated open space, or created or enhanced habitat areas.			Department of Planning and Land Use	
MM 4.9-19c	Coast live oak woodland shall be mitigated at a 3:1 ratio by the off-site acquisition of 2.4 acres of existing coast live oak woodland of like quality. The off-site acquisition shall occur in an unincorporated area of San Diego County. A conservation easement shall be placed across the off-site mitigation area to permanently protect the resource. If possible, individual oak trees shall be salvaged from the impact area and transplanted to appropriate open space habitat on the landfill site. The implementation of this mitigation shall be prior to or concurrent with construction or as otherwise determined in consultation with the County.	Letter from Applicant's biologist	Prior to commencement of construction	County Department of Environmental Health and County Department of Planning and Land Use	
MM 4.9-19d	Temporary construction fencing shall be erected under the supervision of a qualified biologist outside the delineated boundary of dedicated open space (Figure 3b) where it interfaces with impact areas. Where impact areas are adjacent to coast live oak woodland, fencing shall be erected outside the canopy area at a distance of 1.5 times the canopy radius of the outer trees. This fencing shall be erected prior to commencement of brushing or grading activities. The fencing (for example, strand wire or split rail) shall restrict human and equipment access but shall allow for wildlife movement.	Letter from applicant's biologist/field verification	Prior to commencement of brush clearing or grading	County Department of Environmental Health	
MM 4.9-19e	Impacts to potential arroyo toad upland habitat from the relocation of the pipelines shall be mitigated through the Wetland Mitigation and Habitat Enhancement Plan to be implemented as part of the landfill project.	Preparation and acceptance of habitat enhancement plan	Prior to construction	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environ-	

**GREGORY CANYON LANDFILL**  
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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
MM 4.9-19f	Temporary erosion control measures such as silt fencing, sand bags, and straw matting shall be used to reduce potential siltation of drainage courses including the San Luis Rey River.	Preparation of erosion control plan	Prior to commencement of construction	County Department of Environmental Health and County Department of Planning and Land Use	mental Health and County Department of Planning and Land Use
MM 4.9-19g	The pipeline easement shall be fenced within two kilometers of the San Luis Rey River with exclusion fencing to prevent arroyo southwestern toad access to the construction zone. The fencing shall be a silt-screen type barrier comprised of a minimum 24-inch high fence with the remainder (minimum 12 inches) anchored firmly against the ground. The fence may be buried if necessary to exclude toad access. The fence locations shall be identified by a qualified biologist and adjusted as necessary. Exclusion fencing shall be monitored by a qualified biologist and maintained in its original condition by construction personnel for the entire length of the construction period.	Letter from applicant's biologist based on field verification	Prior to commencement of construction of bridge	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health and County Department of Planning and Land Use
MM 4.9-19h	Pre- and post- exclusion fencing surveys within the construction zone shall be conducted for arroyo southwestern toads by a biologist permitted by the USFWS to handle the toad. Prior to construction commencement, a minimum of three surveys shall be conducted by this biologist following installation of the fencing. Any toads found shall be relocated to appropriate similar habitat outside project impact areas and in dedicated open space on the landfill site.	Written report from biologist permitted by U.S. Fish and Wildlife Service to handle toad	Prior to construction, minimum of 3 surveys following installation of the fencing, then daily surveys before construction begins	U.S. Fish and Wildlife Service, California Department of Fish and Game, County Department of Environmental Health	

**GREGORY CANYON LANDFILL**  
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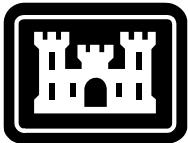
MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
MM 4.9-1i	The trench dug for relocation of the pipelines shall be securely covered at the end of construction each day such that wildlife does not become trapped in the trench.	Field verification by applicant's biologist	Daily during construction within 2 km of river	County Department of Environmental Health and County Department of Planning and Land Use	
MM 4.9-1j	Construction noise shall not result in exceedances of 60 dB(A) L <sub>eq</sub> on least Bell's vireo and southwestern willow flycatcher habitat between March 15 and September 15 unless noise attenuation measures designed by an acoustician are implemented to reduce noise levels in vireo/flycatcher habitat to below 60 dB(A) L <sub>eq</sub> .	Construction contract addressing timing or noise analysis prepared by applicant's noise specialist	Daily between March 15th and September 15th during initial construction. If noise barriers are required, weekly monitoring to ensure their effectiveness	County Department of Environmental Health and County Department of Planning and Land Use	
<b>4.13 AESTHETICS</b>					
MM 4.13-12a	Disturbed areas shall be graded to blend the area with the existing landform. Gentle grading and curvilinear shapes shall be used to help blend slopes in with the natural topography. Large, undifferentiated, flat slopes or pads shall be avoided. The applicant's landscape architect shall provide plans to SDCWA for review and approval. County Department of Environmental Health shall field verify implementation of this measure.	Letter from Applicant's landscape architect; field verification	During First San Diego Aqueduct Relocation Option construction	County Department of Environmental Health; SDCWA	
MM 4.13-12b	After construction, disturbed areas within and around the SDCWA aqueduct easement shall be revegetated with native	Letter from Applicant's landscape architect; field	After First San Diego Aqueduct Relocation	County Department of Environmental Health	

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MITIGATION MEASURE NO.	MITIGATION MEASURE	METHOD OF VERIFICATION	TIMING OF VERIFICATION	RESPONSIBLE PARTY	VERIFICATION OF COMPLETION INITIALS DATE
	species in accordance with an approved landscape treatment plan. County Department of Environmental Health shall field verify implementation of this measure.	verification	Option construction	mental Health; SDCWA	
<b>MM 4.13-12c</b>	Aqueduct portals and air vents shall be designed to blend in with the landscape through the use of a variety of colors that match the revegetation patch and soil color that the facility is going through. County Department of Environmental Health shall field verify implementation of this measure.	Letter from Applicant's landscape architect; field verification	After First San Diego Aqueduct Relocation Option construction	County Department of Environmental Health; SDCWA	







## **US Army Corps of Engineers®**

# **PUBLIC NOTICE**

### **RECEIPT OF APPLICATION FOR A CORPS PERMIT, NOTICE OF INTENT TO PREPARE A DRAFT EIS AND HOLD A PUBLIC SCOPING MEETING**

#### ***LOS ANGELES DISTRICT***

**Public Notice/Application No.:** SPL-2010-00354-SDM

**Comment Period:** May 7, 2010 through June 18, 2010

**Project Manager:** Spencer D. MacNeil, D.Env. (805) 585-2152 [Spencer.D.MacNeil@usace.army.mil](mailto:Spencer.D.MacNeil@usace.army.mil)

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#### **Applicant and Contact**

Jim Simmons

Gregory Canyon Landfill, Ltd.  
160 Industrial Street, Suite 200  
San Marcos, California 92078  
(760) 471-2365

#### **Location**

The proposed project would affect the San Luis Rey River and Gregory Canyon, in northern San Diego County, California (at Latitude/Longitude: 33.347777°, -117.117560°).

#### **Activity**

To discharge fill materials into approximately 2 acres of waters of the U.S. (less than 1 acre would be affected by permanent fill discharges) in the San Luis Rey River and in Gregory Canyon associated with constructing a new Class III landfill. Specific Corps-regulated activities include constructing a pile-supported bridge over the San Luis Rey River and discharging fill materials into an un-named water of the U.S. in Gregory Canyon to construct the landfill liner, stability berm, and ancillary facilities (see attached drawings). For more information, see page 3 of this notice.

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Interested parties are hereby notified that an application has been received for a Department of the Army permit for the activity described herein and shown on the attached drawings. Interested parties are invited to provide their views on the proposed work, which will become a part of the record and will be considered in the decision. This permit will be issued or denied under Section 404 of the Clean Water Act (33 U.S.C. 1344). Written comments should be mailed to:

U.S. Army Corps of Engineers, Los Angeles District  
Regulatory Division, Ventura Field Office  
ATTN: SPL-2010-00354-SDM  
2151 Alessandro Drive, Suite 110  
Ventura, California 93001

Alternatively, comments can be sent electronically to: [Spencer.D.MacNeil@usace.army.mil](mailto:Spencer.D.MacNeil@usace.army.mil)

## **Evaluation Factors**

The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered including the cumulative effects thereof. Factors that will be considered include conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food production and, in general, the needs and welfare of the people. In addition, because the proposed action would discharge dredged or fill material into waters of the U.S., the evaluation of the activity will include application of the U.S. Environmental Protection Agency's Section 404(b)(1) Guidelines (40 C.F.R. Part 230) as required by Section 404 (b)(1) of the Clean Water Act.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. In this case, comments will be used in the preparation of an Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act. Comments are also used to determine the overall public interest of the proposed activity.

## **Preliminary Review of Selected Factors**

**EIS Determination**- A determination has been made that an EIS is required for the proposed activities, based on the Corps's independent determination that the proposed action could result potentially in significant impacts. It is expected that a Draft EIS will be prepared and published by mid-2011.

**Water Quality**- The applicant is required to obtain water quality certification, under Section 401 of the Clean Water Act, from the California Regional Water Quality Control Board (RWQCB). Section 401 requires that any applicant for an individual Section 404 permit provide proof of water quality certification to the Corps of Engineers prior to permit issuance. For any proposed activity on Tribal land that is subject to Section 404 jurisdiction, the applicant will be required to obtain water quality certification from the U.S. Environmental Protection Agency.

**Coastal Zone Management**- For those projects in or affecting the coastal zone, the Federal Coastal Zone Management Act requires that prior to issuing the Corps authorization for the project, the applicant must obtain concurrence from the California Coastal Commission that the project is

consistent with the State's Coastal Zone Management Plan. This project is located outside the coastal zone and is not expected to affect coastal zone resources.

**Cultural Resources**- The proposed project would affect a portion of Gregory Mountain, which is considered culturally sacred by some Native Americans. Consultation with the State Historic Preservation Officer, pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended, will occur for any anticipated effects of the proposed activities on cultural resources eligible for listing or listed on the National Register of Historic Places.

**Endangered/Threatened Species**- Preliminary determinations indicate that the proposed activities would affect federally listed endangered or threatened species, or their critical habitat. Federally listed species known or having high potential to occur onsite, based on previous survey results, include southwestern arroyo toad (*Bufo californicus*), southern steelhead (*Oncorhynchus mykiss*), least Bell's vireo (*Vireo bellii pusillus*), southwestern willow flycatcher (*Empidonax traillii extimus*), and coastal California gnatcatcher (*Polioptila californica californica*). Additional on-site surveys for federally listed species are being conducted at this time to provide current information. Thus, formal consultation under Section 7 of the Endangered Species Act appears to be required.

**Public Meeting/Hearing**- The Corps is holding a public scoping meeting to solicit input from the public about the proposed project in preparing the EIS. This meeting will be held on **June 3, 2010 beginning at 6:00 PM (PST)** at the:

City of San Marcos Senior Center (Horizon Room)  
111 Richmar Avenue  
San Marcos, CA 92069

During the public scoping meeting, anyone wishing to make a statement will be allocated a certain amount of time to provide information on the proposed project. The amount of time each person is allowed will be directly dependent on the number of people who sign up to speak at the public hearing (the meeting room has been reserved until 8:30 PM PST). At this time, we estimate that individuals will be given 2 or 3 minutes to provide their comments verbally. We would like to encourage interest groups to designate an official spokesperson to present the group's views. We will allocate a larger amount of time to official representatives of such groups upon request.

Groups wishing to designate an official representative must notify the Corps in writing prior to, but no later than, **May 28, 2010**. The determination of this extended speaking time will be based on the number of responses received by the Corps. This rule will be strictly enforced at the discretion of the Corps' hearing officer.

The public scoping meeting will provide one opportunity for the public to provide comments on the proposal that will be entered into the administrative record. In addition, the Corps will be receiving written comments into the record from anyone who wishes to provide them until **June 18, 2010** (i.e., the close of the comment period for this public notice).

The Corps also anticipates holding a public hearing to obtain input on the Draft EIS when it becomes available and is circulated to the public (expected by mid-2011).

### **Proposed Activity for Which a Permit is Required**

Gregory Canyon, Ltd., as project applicant, proposes to construct, operate, and close a Class III landfill on the project site; approximately 308 acres of the 1,770-acre site would be used for the landfill and its associated facilities. The construction activities would discharge fill materials into approximately 2 acres of waters of the U.S. (less than 1 acre would be affected by permanent discharges of fill) associated with constructing a bridge over the San Luis Rey River and with constructing the landfill liner, stability berm, and ancillary facilities in Gregory Canyon.

**Basic Project Purpose**- The basic project purpose comprises the fundamental, essential, or irreducible purpose of the proposed project, and is used by the Corps to determine whether the applicant's project is water dependent. The basic purpose of the proposed project is disposal of refuse. This project is not water dependent. Because the activity is not water dependent and it would permanently fill a special aquatic site (wetland), the applicant is required to rebut the presumption that there are practicable alternatives available that would not permanently fill a special aquatic site (40 C.F.R. Part 230 – the Section 404(b)(1) Guidelines).

**Overall Project Purpose**- The overall project purpose serves as the basis for the Corps' Section 404(b)(1) alternatives analysis and is determined by further defining the basic project purpose in a manner that more specifically describes the applicant's goals for the project, and which allows a reasonable range of alternatives to be analyzed. The Corps is in the process of defining the overall project purpose.

### **Additional Project Information**

**Background information**- The proposed project is located in northern San Diego County on State Route 76 (SR 76), about three miles east of Interstate 15. The project site encompasses approximately 1,770 acres. There are three large, regional easements that cross the property: SR 76, a San Diego Gas & Electric (SDG&E) transmission corridor, and San Diego Pipelines Nos. 1 and 2 (First San Diego Aqueduct). In addition, the San Luis Rey River traverses the site in an east-west direction. A portion of Gregory Mountain is located on the site. The proposed project consists of the construction, operation, and closure of the proposed Gregory Canyon Landfill. The proposed landfill and its associated facilities would be located on the south side of SR 76 and would occupy approximately 308 acres of the site. According to the 2007 Environmental Impact Report (EIR) (Table 4.9-8) for this project, several vegetation or habitat types have been identified in this 308 acres, including coastal sage scrub (170.8 acres), coastal sage scrub/chaparral (51.5 acres), chaparral (27.4 acres), coast live oak woodland (22.6 acres), non-native grassland (15.8 acres), agricultural land (9.9 acres), agricultural/developed (2.5 acres), disturbed habitat (2.3 acres), disturbed coastal sage scrub (1.7 acres), and rock outcrop/chaparral (1.6 acres); with open channel, riparian habitat, native

perennial grassland, olives, and ornamental vegetation comprising the remaining 2.5 acres. The majority of the remaining property (a minimum of 1,313 acres) would be dedicated as permanent open space for long-term preservation of sensitive habitat and species.

The property is located adjacent to residential, agricultural, and Native American properties. A portion of the site was previously occupied by two dairies, which have ceased operation.

An EIR was prepared for the project and was certified in 2003 and 2007 by the Director of the San Diego County Department of Environmental Health (DEH). Subsequently, in response to a court order for additional information regarding the identified water supply, an Addendum to the certified 2007 EIR was prepared. The 2008 Addendum was adopted by the Director of San Diego County DEH. The Court ruled that the Addendum was the appropriate document and that the issue was adequately addressed. A second Addendum was prepared to analyze a change in the provision of water for the project. This Addendum was adopted by the Director of the San Diego County DEH in January 2010.

**Project description-** The proposed landfill project would have a maximum daily intake of 5,000 tons and an annual intake of one million tons. The landfill would accept solid waste disposal for approximately 30 years. The landfill components would occupy approximately 308 acres of an approximately 1,770-acre site. All of the construction associated with the landfill would be located to the south of SR 76.

The landfill footprint, which would be constructed and filled in phases, would be approximately 197 acres (including relocated SDG&E transmission towers, see below) and would be located within Gregory Canyon. The landfill prism would consist of a double composite liner as well as a leachate collection and removal system with a protective cover. At times, periodic construction to open the next landfill cell would occur simultaneously with acceptance of solid waste.

Two borrow/stockpile areas, which would be used to store or excavate material for daily operation of the landfill, would be provided to the west of the landfill footprint. Borrow/Stockpile Area A, which would be about 22 acres in size, would be located adjacent to the western property boundary. A haul road would connect Borrow/Stockpile Area A with the landfill footprint. The haul road would be 20 feet wide and would run along the base of the adjacent hillside with turn-out locations for heavy equipment. Borrow/Stockpile Area B, which would be about 65 acres in size, would be located immediately to the west of the southern portion of the landfill footprint. The proposed project includes the construction of an access road and bridge that would cross the San Luis Rey River, which runs through the property. The approximately 35.5 foot wide bridge would be approximately 640 feet in length, with five sets of piles. The proposed project includes modifications to SR 76 at the entrance. The modifications would widen the roadway to 52 to 64 feet to provide for an eastbound deceleration lane and a westbound left turn lane and would realign approximately 1,700 linear feet of roadway to the south of the existing alignment. The modifications are expected to improve sight distance and facilitate truck movements at the access road on SR76.

The access road would lead to the ancillary facilities area just north of the landfill footprint. The ancillary facilities area would include booth and fee scale, an administration building, maintenance building, and a recyclable drop-off area. Two 10,000-gallon leachate- holding tanks, a 20,000-gallon water storage tank, a 20,000-gallon recycled water tank, and a 50 gallon per minute reverse osmosis system would be located in the ancillary facilities area.

In addition, the proposed project would include the relocation of SDG&E transmission towers located on the slope of Gregory Mountain and an option to relocate approximately 3,200 linear feet of San Diego County Water Authority Pipelines 1 and 2, which traverse the property. The proposed project would include the dedication of a minimum of 1,313 acres of the site as permanent open space for long-term preservation of sensitive habitat and species.

Through the EIS process, feasible environmental mitigation measures will be developed to reduce potential environmental impacts. Measures to reduce construction impacts would be implemented through construction contract specifications and permit requirements.

**Issues-** There are several potential environmental issues that will be addressed in the Draft EIS. Additional issues may be identified during the scoping process. Issues initially identified for evaluation in the Draft EIS as potentially significant include:

1. visual impacts from the landform alterations;
2. air quality impacts from construction, operation, increased vehicle emissions;
3. biological impacts to habitat and wildlife;
4. cultural resources (ethnographic resources);
5. hydrogeology, surface hydrology and water quality from disturbance of sediment, operations, and runoff from development;
6. noise from increased traffic associated with operations;
7. traffic and transportation; and
8. cumulative impacts from past, present, and reasonably foreseeable future projects.

**Alternatives-** Several alternatives are being considered for the proposed action. The Draft EIS will include a co-equal analysis of the No Action and project alternatives considered. Alternatives were considered through the state environmental review process and an associated EIR that included a no project alternative; two on-site landfill scenarios; an on-site prescriptive design alternative with a single liner; two off-site North San Diego County locations; and alternatives to reduce the need for a landfill. The EIS will likely consider some of these alternatives. The EIS will include and evaluate a No Action Alternative that would not implement any of the proposed project elements and would not involve any discharge of dredged or fill material into waters of the U.S., and therefore, would not require a Corps permit. These alternatives will be further formulated and developed during the scoping process. Additional alternatives that may be developed during scoping will also be considered in the Draft EIS.

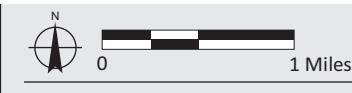
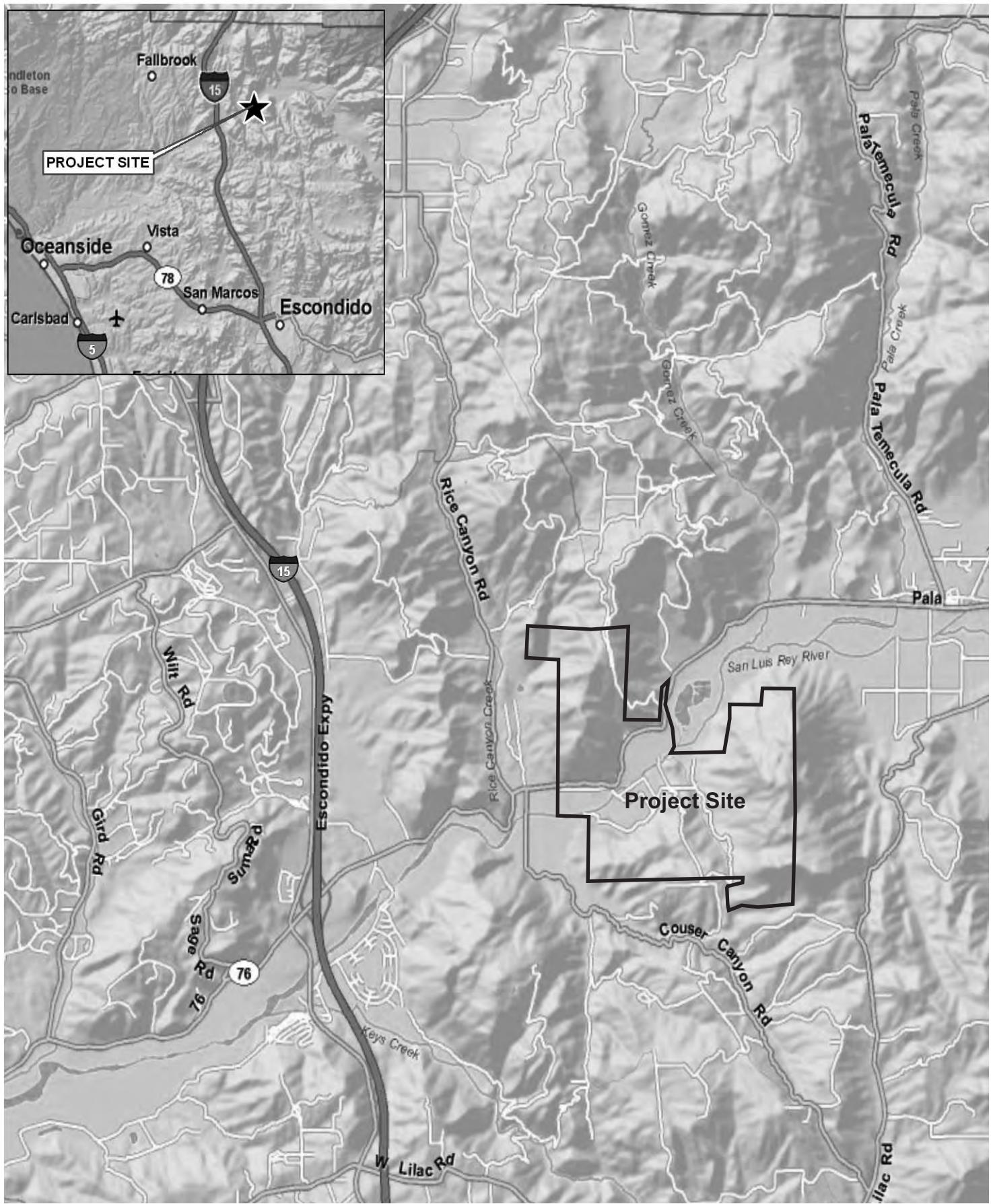
**Proposed Mitigation** – The proposed mitigation may change as a result of comments received in response to this public notice, the applicant's response to those comments, and/or the need for the project to comply with the Section 404(b)(1) Guidelines. In consideration of the above, the proposed mitigation sequence (avoidance/minimization/compensation), as applied to the proposed project is summarized below:

**Avoidance/minimization:** According to the applicant, the San Luis Rey River bridge has been designed to minimize discharge of fill material within considerations of practicability of construction, and the landfill liner is located in the minimum area required for the landfill, including avoidance of non-wetland riparian vegetation near the base of the landfill.

**Compensation:** The applicant is proposing to compensate for the impacts to waters of the U.S. by creating approximately 2.3 acres of wetland habitat in existing developed uplands.

For additional information please call Dr. Spencer MacNeil of my staff at (805) 585-2152 or via e-mail at [Spencer.D.MacNeil@usace.army.mil](mailto:Spencer.D.MacNeil@usace.army.mil). This public notice is issued by the Chief, Regulatory Division.





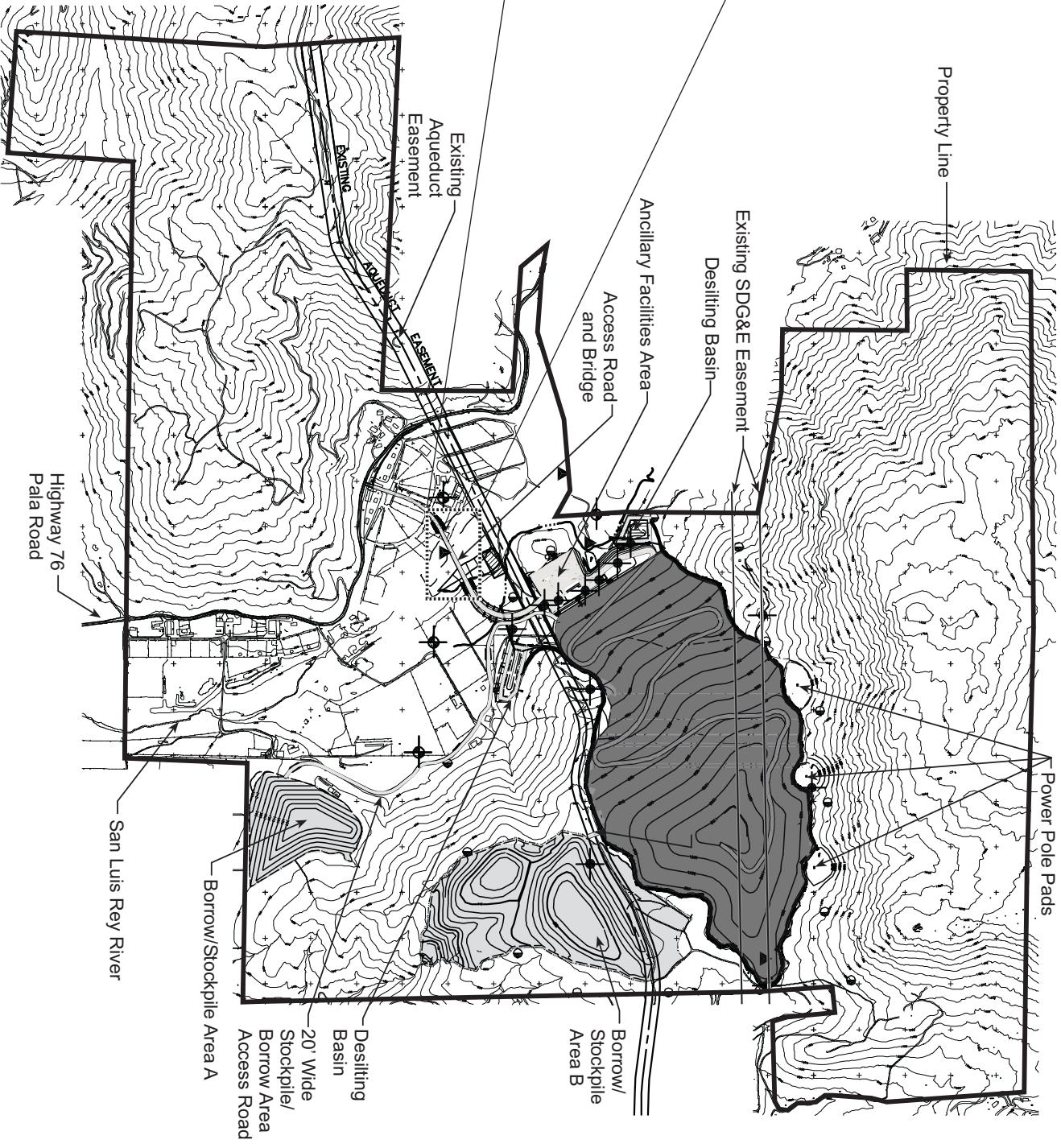
## Gregory Canyon Project Site

Source: PCR Services Corporation, 2010.

FIGURE

1

## Proposed Site Plan

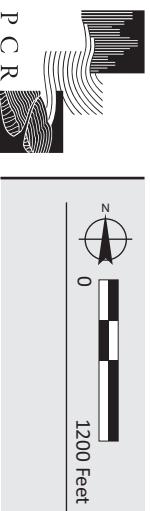


FIGURE

2

Source: Bryan A. Stirrat & Associates, 2002 and PCR Services Corporation, 2010.

Gregory Canyon



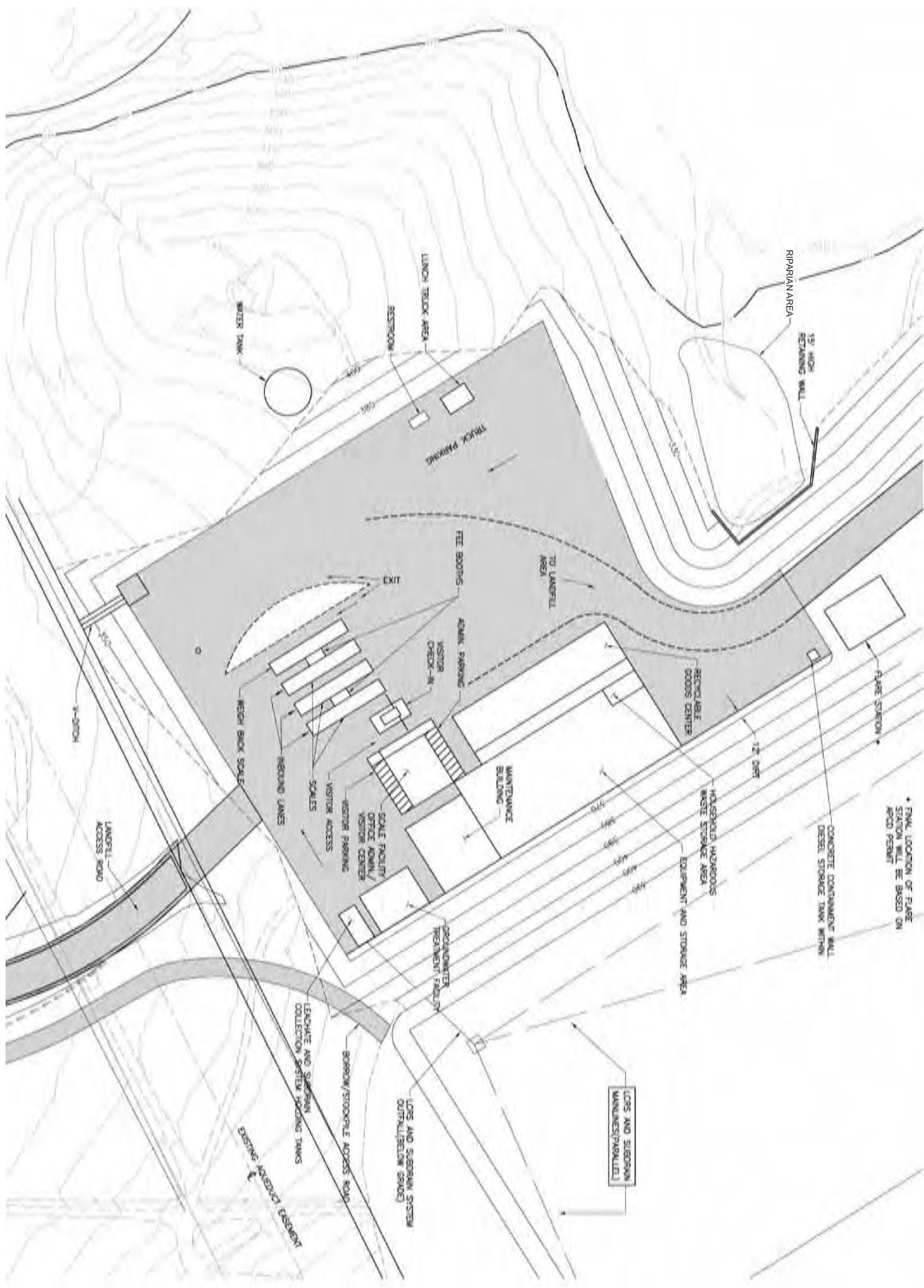
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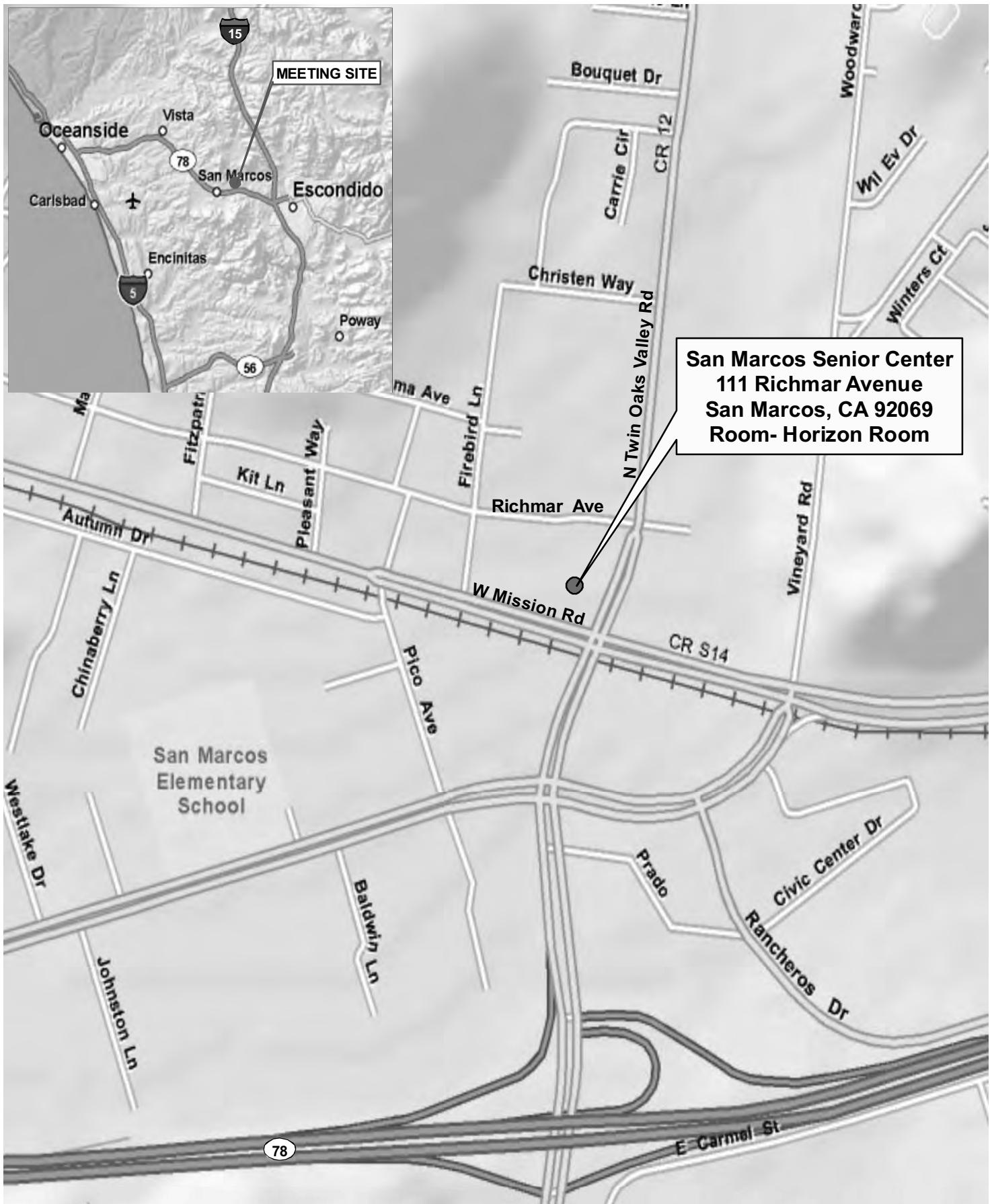
## Ancillary Facilities Area

Source: Bryan A. Stirrat & Associates, 2010.

**3**

FIGURE





#### Location of Scoping Meeting

Source: ESRI Street Map, 2009; PCR Services Corporation, 2010.  
Gregory Canyon



FIGURE

4